



public works
& infrastructure

Department:
Public Works and Infrastructure
REPUBLIC OF SOUTH AFRICA

SUNDUMBILI MAGISTRATE OFFICE: ADDITIONAL ACCOMMODATION

PART B : BUILDERS WORK



public works
& infrastructure

Department:
Public Works and Infrastructure
REPUBLIC OF SOUTH AFRICA

SUNDUMBILI MAGISTRATE OFFICE: ADDITIONAL ACCOMMODATION

PART B1: BUILDING WORKS

Unit Quantity Rate Amount

BILL NO. 1
EARTHWORKS

The bidder is referred to the relevant clauses in the construction works general specifications (PW 371 A), to the Architectural and Structural/Civil Engineering specifications documents, to the drawings (which are to be read in conjunction with the architectural specification), and to all general and project-specific specifications as contained in the complete Bid Documents. Bidders are thus urged to study these documents as rates will be deemed to be inclusive of all requirements as included in same. Further, should any discrepancy be noted between these Bills of Quantities and the Specifications, the Specifications shall take precedence.

Further to the above, Bidders are to note that the latest edition of SANS 10400, current at the time of the tender will form part of the specifications to this contract and as such, pricing shall be deemed to include for complete conformance in all respects to the requirements of SANS 10400.

SUPPLEMENTARY PREAMBLES

Working at Heights:

Tenderers are to note that the work to be undertaken may require all necessary scaffolding, due to the heights of the structures to be constructed/ altered. Tenderers are to therefore price accordingly as rates will be deemed to include for same and No further claims in regard to all necessary scaffolding in the completion of the scope of works will be entertained.

Carried to Collection

R

| | Unit | Quantity | Rate | Amount |
|--|------|----------|------|--------|
| <p><u>Labour Intensive</u></p> <p>Tenderers are to note well that specific items within these Bills of Quantities have been designated as LABOUR INTENSIVE by the addition of the aforementioned words in uppercase at the end of the description for the said item. Where items have been designated as being LABOUR INTENSIVE as described, pricing shall be deemed to include for the carrying out to completion of said item on site by means and methods that rely predominantly on manual labour. As such, no claims shall be entertained regarding any additional time or monetary costs incurred by the use of LABOUR INTENSIVE methods. Further, the Contractor is to note that contravention of the above i.e. use of mechanised systems to carry out LABOUR INTENSIVE work as hereinafter designated, will be viewed and dealt with in an extremely serious light by the Client, as it remains a national imperative to develop, employ and provide skills through the Extended Public Works Programme.</p> <p><u>Nature of ground</u></p> <p>The nature of the ground is assumed to be loose sandy material, therefore 'earth', but possibly interspersed with 'soft rock' or 'hard rock'.</p> <p>A soils investigation has been carried out on the site by the engineer and the report is annexed to these bills of quantities. Please refer to same for further details in regards to nature of ground.</p> <p><u>Excavation for working space in rock</u></p> <p>Notwithstanding clause 11 page 8 of the Standard System of Measuring Building Work, excavation for working space in rock will be measured in square metres to the extent executed and given as 'extra over' bulk excavation or trench and hole excavation as the case may be.</p> <p><u>Carting away of excavated material</u></p> <p>Descriptions of carting away of excavated material shall be deemed to include loading excavated material onto trucks directly from the excavations or, alternatively, from stock piles situated on the building site.</p> <p><u>Filling</u></p> <p>Notwithstanding the reference to prescribed multiple handling in clause 1 page 6 of the Standard System of Measuring Building Work, prices for filling and backfilling shall include for all selection and any necessary multiple handling of material</p> | | | | |
| Carried to Collection | | | R | |
| <p>Bill No. 1 Earthworks</p> | | | | |

| | Unit | Quantity | Rate | Amount |
|--|------|---|----------------|--------|
| <u>Bulking</u> | | | | |
| No allowance has been made for bulking, contractor to allow accordingly. No claims in this regard will be entertained and bidders are therefore to allow accordingly for same in their rates. | | | | |
| <u>Testing</u> | | | | |
| Prices for filling are to include for all necessary density tests in accordance with SABS 1200D. Further tests measured in the bill of quantities will be at the request of the relevant consulting engineer. | | | | |
| <u>Proximity to existing structures:</u> | | | | |
| Tenderers are to note that some of the following measured work is to be undertaken in close proximity to existing buildings. No claims in this regard will be entertained. | | | | |
| <u>Drawings:</u> | | | | |
| Tenderers are to note that where descriptions include reference drawings which form part of the tender documentation, notwithstanding anything contained in the description, tenderers are to price these items in accordance with the drawings. Further, the onus is on the tenderer to ensure that all relevant drawings referenced in the Bills of Quantities are included in the tender documents. No further time or monetary claims resulting from any of the above will be entertained. | | | | |
| <u>SITE CLEARANCE</u> | | | | |
| <u>Site clearance</u> | | | | |
| 1 | | Digging up and removing rubbish, debris, vegetation, hedges, shrubs, bush, etc and trees not exceeding 200mm girth (LABOUR INTENSIVE) | m ² | 2 806 |
| <u>EXCAVATIONS ETC</u> | | | | |
| <u>Excavation in earth for basement not exceeding 2m deep</u> | | | | |
| 2 | | Holes. (LABOUR INTENSIVE) | m ³ | 5 795 |
| <u>Extra over trench and hole excavations in earth for excavation in</u> | | | | |
| 3 | | Soft rock. (LABOUR INTENSIVE) | m ³ | 290 |
| 4 | | Intermediate material. (LABOUR INTENSIVE) | m ³ | 580 |
| 5 | | Hard rock | m ³ | 4 926 |
| Carried to Collection | | | | R |
| Bill No. 1 | | | | |
| Earthworks | | | | |

| | Unit | Quantity | Rate | Amount |
|---|---|----------------|-------|--------|
| <u>Back excavation of vertical sides of excavations in earth for working space including backfilling compacted to 95% Mod AASHTO density</u> | | | | |
| 6 | Exceeding 500mm and not exceeding 1500mm deep for placing and removing formwork to walls etc., against excavated face. (LABOUR INTENSIVE) | m ² | 591 | |
| <u>Extra over excavation in earth for working space for excavation in soft rock:</u> | | | | |
| 7 | Exceeding 500mm and not exceeding 1500mm deep for placing and removing formwork to walls etc., against excavated face. | m ² | 26 | |
| <u>Extra over excavation in earth for working space for excavation in hard rock:</u> | | | | |
| 8 | Exceeding 500mm and not exceeding 1500mm deep for placing and removing formwork to walls etc., against excavated face. (LABOUR INTENSIVE) | m ² | 561 | |
| <u>Extra over trench and hole excavations in earth for breaking up and removing</u> | | | | |
| 9 | Brickwork. (LABOUR INTENSIVE) | m ³ | 10 | |
| 10 | Unreinforced concrete. (LABOUR INTENSIVE) | m ³ | 7 | |
| 11 | Reinforced concrete, including cutting off and removing reinforcement. (LABOUR INTENSIVE) | m ³ | 7 | |
| <u>Extra over all excavations for carting away</u> | | | | |
| 12 | Surplus material from excavations and/or stock piles on site, to a dumping site to be located by the contractor | m ³ | 5 795 | |
| <u>Risk of collapse of excavations</u> | | | | |
| 13 | Sides of trench and hole excavations not exceeding 1,5m deep (LABOUR INTENSIVE) | m ² | 983 | |
| <u>Keeping excavations free of water</u> | | | | |
| 14 | Keeping excavations free of all water other than subterranean water | Item | | |
| <u>FILLING ETC OTHER THAN BULK</u> | | | | |
| <u>Imported filling of G5 material, filled and compacted to 95% Mod AASHTO density, in layers not exceeding 150mm thick, with and including 4% cement for stabilisation of the material, all in accordance with SABS 1200DM:</u> | | | | |
| 15 | Backfilling behind retaining walls, holes, etc. (LABOUR INTENSIVE) | m ³ | 2 150 | |
| Carried to Collection | | | R | |
| Bill No. 1 Earthworks | | | | |

| | Unit | Quantity | Rate | Amount |
|---|----------------|----------|------|--------|
| <u>Imported filling of G5 material, filled and compacted to 98% Mod AASHTO density, in layers not exceeding 150mm thick, all in accordance with SABS 1200DM:</u> | | | | |
| 16 | | | | |
| Under floors, steps, pavings, etc. (LABOUR INTENSIVE) | m ³ | 780 | | |
| 17 | | | | |
| Backfilling to trenches, holes, etc (LABOUR INTENSIVE) | m ³ | 4 808 | | |
| <u>Coarse river sand filling supplied by the contractor</u> | | | | |
| 18 | | | | |
| Under floors etc. (LABOUR INTENSIVE) | m ³ | 520 | | |
| <u>Compaction of surfaces</u> | | | | |
| 19 | | | | |
| Compaction of ground surface under floors etc. including scarifying for a depth of 210mm, breaking down oversize material, adding suitable material where necessary and compacting in layers not exceeding 150mm thick, to 98% Mod AASHTO density. (LABOUR INTENSIVE) | m ² | 2 601 | | |
| <u>Prescribed density tests on filling</u> | | | | |
| 20 | | | | |
| Modified AASHTO Density test | No | 194 | | |
| 21 | | | | |
| Acceptance Testing by Civil Engineer by preferred Lab | No | 20 | | |
| 22 | | | | |
| Natural California Bearing Ratio test | No | 5 | | |
| 23 | | | | |
| Field Density test including Optimum Moisture Content (four readings per test) | No | 5 | | |
| 24 | | | | |
| Dynamic Cone Penetration (DCP) test | No | 25 | | |
| <u>SOIL POISONING</u> | | | | |
| <u>Approved brand of anti-termite soil poison applied by a Registered Pest Control company and guaranteed against termite infestation for ten years in accordance with SANS 5859.</u> | | | | |
| 25 | | | | |
| Under floors etc. including forming and poisoning shallow furrows against foundation walls etc., filling in furrows and ramming. (LABOUR INTENSIVE) | m ² | 2 601 | | |
| 26 | | | | |
| To bottoms and sides of trenches etc. (LABOUR INTENSIVE) | m ² | 2 526 | | |
| Carried to Collection | | | R | |
| Bill No. 1 | | | | |
| Earthworks | | | | |

Amount

BILL NO. 1
EARTHWORKS
COLLECTION

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Carried to Summary

R

Unit Quantity Rate Amount

BILL NO. 2
CONCRETE, FORMWORK AND REINFORCEMENT

The bidder is referred to the relevant clauses in the construction works general specifications (PW 371 A), to the Architectural and Structural/Civil Engineering specifications documents, to the drawings (which are to be read in conjunction with the architectural specification), and to all general and project-specific specifications as contained in the complete Bid Documents. Bidders are thus urged to study these documents as rates will be deemed to be inclusive of all requirements as included in same. Further, should any discrepancy be noted between these Bills of Quantities and the Specifications, the Specifications shall take precedence.

Further to the above, Bidders are to note that the latest edition of SANS 10400, current at the time of the tender will form part of the specifications to this contract and as such, pricing shall be deemed to include for complete conformance in all respects to the requirements of SANS 10400.

SUPPLEMENTARY PREAMBLES

Working at Heights:

Tenderers are to note that the work to be undertaken may require all necessary scaffolding, due to the heights of the structures to be constructed/ altered. Tenderers are to therefore price accordingly as rates will be deemed to include for same and No further claims in regard to all necessary scaffolding in the completion of the scope of works will be entertained.

Carried to Collection

R

Bill No. 2
 Concrete, Formwork And Reinforcement

| | Unit | Quantity | Rate | Amount |
|---|------|----------|------|--------|
| <p><u>Labour Intensive</u></p> <p>Tenderers are to note well that specific items within these Bills of Quantities have been designated as LABOUR INTENSIVE by the addition of the aforementioned words in uppercase at the end of the description for the said item. Where items have been designated as being LABOUR INTENSIVE as described, pricing shall be deemed to include for the carrying out to completion of said item on site by means and methods that rely predominantly on manual labour. As such, no claims shall be entertained regarding any additional time or monetary costs incurred by the use of LABOUR INTENSIVE methods. Further, the Contractor is to note that contravention of the above i.e. use of mechanised systems to carry out LABOUR INTENSIVE work as hereinafter designated, will be viewed and dealt with in an extremely serious light by the Client, as it remains a national imperative to develop, employ and provide skills through the Extended Public Works Programme.</p> | | | | |
| <p><u>Cost of tests</u></p> <p>The costs of making, storing and testing of concrete test cubes as required under clause 7 Tests of SABS 1200 G shall include the cost of providing cube moulds necessary for the purpose, for testing costs and for submitting reports on the tests to the principal agent, and /or consulting engineer. The testing shall be undertaken by an independent firm or institution nominated by the contractor to the approval of the principal agent. (Test cubes are measured separately)</p> | | | | |
| <p><u>Concrete:</u></p> <p>Rates for concrete shall be deemed to include for all necessary transportation, hoisting, etc. to render a perfect, sound and stable installation all to the satisfaction of the Structural Engineer.</p> <p>Bidders are to note that delay claims related to the supply of concrete decking, reinforcement etc. will not be entertained and are thus urged to take cognisance of quantities required and secure supply accordingly.</p> | | | | |
| <p><u>Formwork</u></p> <p>Descriptions of formwork shall be deemed to include use and waste only (except where described as 'left in' or 'permanent'), for fitting together in the required forms, wedging, plumbing and fixing to true angles and surfaces as necessary to ensure easy release during stripping and for reconditioning as necessary before re-use</p> | | | | |
| Carried to Collection | | | R | |
| <p>Bill No. 2 Concrete, Formwork And Reinforcement</p> | | | | |

| | Unit | Quantity | Rate | Amount |
|--|------|----------|------|--------|
| <p>The vertical strutting shall be carried down to such construction as is sufficiently strong to afford the required support without damage and shall remain in position until the newly constructed work is able to support itself or instruction to remove is given as a site instruction by the relevant consulting engineer.</p> <p>Formwork to soffits of solid slabs etc. shall be deemed to be to slabs not exceeding 250mm thick unless otherwise described</p> <p>Formwork to soffits of slabs, beams, etc. shall be deemed to be propped up exceeding 1,5m and not exceeding 3,5m high unless otherwise described</p> <p>Formwork to sides of bases, pile caps, ground beams, etc. will only be measured where it is prescribed by the engineer for design reasons. Formwork necessitated by irregularity or collapse of excavated faces will not be measured and the cost thereof shall be deemed to be included in the allowance for taking the risk of collapse of the sides of the excavations, provision for which is made in Earthworks</p> <p><u>Drawings:</u></p> <p>Tenderers are to note that where descriptions include reference drawings which form part of the tender documentation, notwithstanding anything contained in the description, tenderers are to price these items in accordance with the drawings. Further, the onus is on the tenderer to ensure that all relevant drawings referenced in the Bills of Quantities are included in the tender documents. No further time or monetary claims resulting from any of the above will be entertained.</p> <p><u>As per Construction Regulations 2014: Temporary Formwork and Support work of OHS ACT 1993</u></p> <p>All temporary support work (formwork and back-propping, etc) is the responsibility of the Contractor's own appointed 'Temporary Works' registered structural engineer/approved competent person (TWE).</p> <p>It is also the Contractor's (TWE) responsibility to review the Principle Structural Engineers (PSE) construction layouts and develop the appropriate formwork support (back-propping, etc) execution plan.</p> <p>The formwork execution plan is to be developed in consultation with the (PSE) and final approval is required from the (PSE) prior to the execution of this plan.</p> | | | | |
| <p style="text-align: right;">Carried to Collection</p> <p>Bill No. 2 Concrete, Formwork And Reinforcement</p> | | | R | |

| | Unit | Quantity | Rate | Amount |
|--|------|----------|------|--------|
| <p>The contractor's (TWE) is also responsible to inspect and approve the erected formwork (back-propping, etc) prior to pouring concrete on site. He is also required to 'green tag' the approved formwork, indicating that it is safe to pour concrete. He is also required to 'fill in and sign off' the formwork in the on-site Health and Safety File indicating that he has inspected, approved and 'green tagged' the formwork and it is safe to pour the concrete. This 'sign-off' must occur each and every time the Contractor intends to pour any of the suspended concrete floor slabs.</p> <p>The Contractor's own appointed 'Temporary Works' structural engineer/approved competent person (TWE) must also carry his own professional indemnity (PI) insurance for 'Temporary Structural Works'. Proof of this insurance must be submitted to the Principal Agent / Project Manager for approval.</p> <p>"A Contractor must appoint a temporary works designer in writing to design, inspect and approve the erected temporary works on site before use". The Contractor must submit this information inclusive of his (TWE) proof of (PI) to the Project Manager for approval.</p> <p>"A Contractor must ensure that all temporary works operations are carried out under the supervision of a competent person who has been appointed in writing for that purpose".</p> <p>A contractor shall ensure that :</p> <p>"All formwork and support work structures are to be adequately designed, erected, supported, braced and maintained by a competent person so that they will be capable of supporting all anticipated vertical and lateral loads that may be applied to them and also that no loads are imposed onto the structure that the structure is not designed to withstand". This is the responsibility of the Contractor's own appointed 'Temporary Works' registered structural engineer/approved competent person (TWE) and he has to submit the necessary documentation confirming the above requirements to the Principal Agent / Project Manager for approval.</p> <p>"All the designs of formwork and temporary support work structures are done with a close reference to the structural design drawings issued and where any uncertainty exists, the structural designer (PSE) should be consulted". The contractors (TWE) is required to submit their formwork execution plan the (PSE) for approval prior to pouring any concrete on site.</p> | | | | |
| Carried to Collection | | | R | |
| <p>Bill No. 2 Concrete, Formwork And Reinforcement</p> | | | | |

| | Unit | Quantity | Rate | Amount |
|--|------|----------|------|--------|
| <p>"Detailed activity specific drawings pertaining to the design of formwork or support work structures are kept on the site and are available on request by an inspector, contractor, client, client's agent or employee". The Project Manager must ensure that the Contractor has this information available on site at all times.</p> <p>"All equipment used in the formwork or support work structure are carefully examined and checked for suitability by a competent person, before being used". This is the responsibility of the Contractor's own appointed 'Temporary Works' registered structural engineer/approved competent person (TWE) and he has to 'sign-off' accordingly.</p> <p>"All formwork and support work structures are inspected by a competent person immediately before, during and after the placement of concrete or any other imposed load and thereafter on a daily basis until the formwork and support work structure has been removed and the results have been recorded in a register and made available on site". This is the responsibility of the Contractor's own appointed 'Temporary Works' registered structural engineer/approved competent person (TWE) and he has to 'sign-off' accordingly.</p> <p>"The Contractor must ensure that his Temporary Works Engineer (TWE) submits a temporary works drawing or any other relevant document including construction sequences and method statements" to the (PSE) for review, comment and approval.</p> <p>As highlighted above, the principle building contractor (Contractor) has to develop his construction programme with due consideration for the above construction regulations and the PSE's final approval of the Contractor's temporary formwork and back-propping execution plan.</p> <p><u>General Notes : Temporary Support Work and Back Propping Specifications and Requirements:</u></p> <p>All temporary support work (formwork and back-propping, etc) is the responsibility of the Contractor's own appointed 'Temporary Works' registered structural engineer/approved competent person (TWE).</p> <p>It is also the Contractor's (TWE) responsibility to review the Principle Structural Engineers (PSE) construction layouts and develop the appropriate formwork support (back-propping, etc) execution plan.</p> <p>The formwork execution plan is to be developed in consultation with the (PSE) and final approval is required from the (PSE) prior to the execution of this plan.</p> | | | | |
| Carried to Collection | | | R | |
| <p>Bill No. 2 Concrete, Formwork And Reinforcement</p> | | | | |

| | Unit | Quantity | Rate | Amount |
|---|----------------|----------|----------|--------|
| <p>The contractor's (TWE) is also responsible to inspect and approve the erected formwork (back-propping, etc) prior to pouring concrete on site. He is also required to 'green tag' the approved formwork, indicating that it is safe to pour concrete. He is also required to 'fill in and sign off' the formwork in the on-site Health and Safety File indicating that he has inspected, approved and 'green tagged' the formwork and it is safe to pour the concrete. This 'sign-off' must occur each and every time the Contractor intends to pour any of the suspended concrete floor slabs.</p> <p>The Contractor's own appointed 'Temporary Works' structural engineer/approved competent person (TWE) must also carry his own professional indemnity (PI) insurance for 'Temporary Structural Works'. Proof of this insurance must be submitted to the Principal Agent / Project Manager for approval.</p> | | | | |
| <p><u>UNREINFORCED CONCRETE CAST AGAINST EXCAVATED SURFACES</u></p> | | | | |
| <p><u>15MPa/19mm concrete</u></p> | | | | |
| 1 | | | | |
| | | | | |
| 1 | m ³ | 77 | | |
| 2 | m ³ | 287 | | |
| <p><u>REINFORCED CONCRETE CAST ON/IN FORMWORK IN FOUNDATIONS (PROVISIONAL)</u></p> | | | | |
| <p><u>25MPa/19mm concrete</u></p> | | | | |
| 3 | m ³ | 2 078 | | |
| <p><u>30MPa/19mm concrete</u></p> | | | | |
| 4 | m ³ | 158 | | |
| 5 | m ³ | 17 | | |
| <p><u>REINFORCED CONCRETE CAST ON/IN FORMWORK</u></p> | | | | |
| <p><u>15MPa/19mm concrete</u></p> | | | | |
| 6 | m ³ | 564 | | |
| <p><u>30MPa/19mm concrete</u></p> | | | | |
| 7 | m ³ | 205 | | |
| 8 | m ³ | 265 | | |
| Carried to Collection | | | | |
| | | | R | |
| <p>Bill No. 2 Concrete, Formwork And Reinforcement</p> | | | | |

| | Unit | Quantity | Rate | Amount |
|--|----------------|----------|----------|--------|
| 9 | | | | |
| 9 | m ³ | 4 530 | | |
| 10 | m ³ | 2 | | |
| 11 | m ³ | 4 | | |
| 12 | m ³ | 761 | | |
| 13 | m ³ | 125 | | |
| 14 | m ³ | 65 | | |
| 15 | m ³ | 123 | | |
| <u>TEST CUBES</u> | | | | |
| <u>Test cubes</u> | | | | |
| 16 | No | 4 585 | | |
| <u>CONCRETE SUNDRIES</u> | | | | |
| <u>Finishing top surfaces of concrete smooth with a wood float</u> | | | | |
| 17 | m ² | 949 | | |
| 18 | m ² | 223 | | |
| <u>Finishing top surfaces of concrete smooth with a power float</u> | | | | |
| 19 | m ² | 12 430 | | |
| <u>Finishing top surfaces of concrete smooth with a polished finish</u> | | | | |
| 20 | m ² | 89 | | |
| <u>"Penetron" or other approved integral crystalline waterproofing admixture:</u> | | | | |
| 21 | m ³ | 4 595 | | |
| <u>Drip Moulds etc</u> | | | | |
| 22 | m | 466 | | |
| <u>Openings Through concrete, etc. (Provisional)</u> | | | | |
| 23 | No | 5 | | |
| Carried to Collection | | | R | |
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| | Unit | Quantity | Rate | Amount |
|---|--|----------------|-------|--------|
| <u>'Pro-struct 531' or other approved Non - shrink grout between structural steel and concrete, all to manufacturer's and Engineers instructions</u> | | | | |
| 24 | Bedding approximately 10mm thick under base plates, etc | m ² | 5 | |
| 25 | Bedding approximately 20mm thick under base plates, etc | m ² | 5 | |
| 26 | Bedding approximately 30mm thick under base plates, etc | m ² | 5 | |
| 27 | Bedding approximately 40mm thick under base plates, etc | m ² | 5 | |
| 28 | Bedding approximately 50mm thick under base plates, etc | m ² | 5 | |
| 29 | Bedding approximately 60mm thick under base plates, etc | m ² | 5 | |
| 30 | Bedding approximately 70mm thick under base plates, etc | m ² | 5 | |
| <u>ROUGH FORMWORK (DEGREE OF ACCURACY III) (CPAP WORK GROUP NO. 111)</u> | | | | |
| <u>Rough formwork to sides</u> | | | | |
| 31 | Bases (Provisional). (LABOUR INTENSIVE) | m ² | 4 495 | |
| 32 | Walls in Foundations (Provisional). (LABOUR INTENSIVE) | m ² | 1 182 | |
| 33 | Walls (LABOUR INTENSIVE) | m ² | 1 439 | |
| 34 | Rectangular Columns in Foundations (Provisional). (LABOUR INTENSIVE) | m ² | 118 | |
| 35 | Rectangular Columns. (LABOUR INTENSIVE) | m ² | 1 035 | |
| <u>Rough formwork to circular columns</u> | | | | |
| 36 | 600mm Diameter column 1400 mm high in foundations (LABOUR INTENSIVE) | No | 6 | |
| 37 | 650mm Diameter column 1400 mm high in foundations (LABOUR INTENSIVE) | No | 7 | |
| 38 | 750mm Diameter column 1400 mm high in foundations (LABOUR INTENSIVE) | No | 3 | |
| Carried to Collection | | | R | |
| Bill No. 2 Concrete, Formwork And Reinforcement | | | | |

| | Unit | Quantity | Rate | Amount |
|--|----------------|----------|------|--------|
| <u>Rough formwork to soffits</u> | | | | |
| 39 | | | | |
| Slabs exceeding 250mm thick and not exceeding 500mm thick, propped up not exceeding 3,5m high. (LABOUR INTENSIVE) | m ² | 3 038 | | |
| 40 | | | | |
| Slabs exceeding 250mm thick and not exceeding 500mm thick, propped up exceeding 3,5m and not exceeding 5m high. (LABOUR INTENSIVE) | m ² | 6 926 | | |
| <u>Rough formwork to sides and soffits</u> | | | | |
| 41 | | | | |
| Beams propped up not exceeding 1,5m high (LABOUR INTENSIVE) | m ² | 995 | | |
| 42 | | | | |
| Beams propped up exceeding 1.5m and not exceeding 3,5m high (LABOUR INTENSIVE) | m ² | 208 | | |
| 43 | | | | |
| Beams propped up exceeding 3.5m and not exceeding 5m high (LABOUR INTENSIVE) | m ² | 6 885 | | |
| <u>ROUGH FORMWORK (DEGREE OF ACCURACY II) (CPAP WORK GROUP NO. 111)</u> | | | | |
| <u>Rough formwork to sides</u> | | | | |
| 44 | | | | |
| Edges, risers, ends and reveals not exceeding 300mm high or wide (LABOUR INTENSIVE) | m | 824 | | |
| 45 | | | | |
| Sloping and stepped outer edges of stairs not exceeding 300mm high extreme (LABOUR INTENSIVE) | m | 114 | | |
| <u>Rough formwork to soffits</u> | | | | |
| 46 | | | | |
| Landings (LABOUR INTENSIVE) | m ² | 71 | | |
| 47 | | | | |
| Stairs with sloping soffits (LABOUR INTENSIVE) | m ² | 183 | | |
| <u>SMOOTH FORMWORK (DEGREE OF ACCURACY I) (CPAP WORK GROUP NO. 111)</u> | | | | |
| <u>Smooth formwork to sides</u> | | | | |
| 48 | | | | |
| Walls (LABOUR INTENSIVE) | m ² | 338 | | |
| 49 | | | | |
| Retaining walls (LABOUR INTENSIVE) | m ² | 2 874 | | |
| 50 | | | | |
| Rectangular columns (LABOUR INTENSIVE) | m ² | 393 | | |
| <u>Smooth formwork to sides and soffits</u> | | | | |
| 51 | | | | |
| Vanities, counters, etc (LABOUR INTENSIVE) | m ² | 20 | | |
| 52 | | | | |
| Benches, etc (LABOUR INTENSIVE) | m ² | 41 | | |
| 53 | | | | |
| Ramps exceeding 250mm with sloping soffits propped up exceeding 1,5m and not exceeding 3,0m high (LABOUR INTENSIVE) | m ² | 499 | | |
| Carried to Collection | | | R | |
| Bill No. 2 | | | | |
| Concrete, Formwork And Reinforcement | | | | |

| | Unit | Quantity | Rate | Amount |
|---|---|----------------|-------|--------|
| <u>Smooth formwork to circular columns</u> | | | | |
| 54 | 450mm Diameter column 3475mm mm high (LABOUR INTENSIVE) | No | 4 | |
| 55 | 600mm Diameter column 2755mm high (LABOUR INTENSIVE) | No | 6 | |
| 56 | 600mm Diameter column 3475mm high (LABOUR INTENSIVE) | No | 4 | |
| 57 | 600mm Diameter column 3530mm high (LABOUR INTENSIVE) | No | 9 | |
| 58 | 650mm Diameter column 2755mm high (LABOUR INTENSIVE) | No | 7 | |
| 59 | 650mm Diameter column 3475mm high (LABOUR INTENSIVE) | No | 3 | |
| 60 | 650mm Diameter column 3530mm high (LABOUR INTENSIVE) | No | 2 | |
| 61 | 750mm Diameter column 2755mm high (LABOUR INTENSIVE) | No | 3 | |
| <u>SPECIAL FORMWORK (DEGREE OF ACCURACY I) (CPAP WORK GROUP NO. 111)</u> | | | | |
| <u>Smooth formwork to sides</u> | | | | |
| 62 | Walls (LABOUR INTENSIVE) | m ² | 1 274 | |
| <u>Boxing in special formwork to form</u> | | | | |
| 63 | 25 x 25mm Chamfers along top or bottom edges (LABOUR INTENSIVE) | m | 37 | |
| <u>PERMANENT FORMWORK</u> | | | | |
| <u>1.2mm Thick "Bond Dek" or other approved permanent decking system to soffits, including all necessary components and in strict accordance with the manufacturer's instructions:</u> | | | | |
| 64 | Decking for slabs with ends laid on brick walls. (LABOUR INTENSIVE) | m ² | 2 419 | |
| <u>TESTING, ETC</u> | | | | |
| <u>Testing of concrete finish (Provisional)</u> | | | | |
| 65 | Transport Research Laboratory (TRL) Pendulum test to BS7976-2 | No | 12 | |
| Carried to Collection | | | R | |
| Bill No. 2 Concrete, Formwork And Reinforcement | | | | |

| | Unit | Quantity | Rate | Amount |
|---|----------------|----------|------|--------|
| <u>MOVEMENT JOINTS ETC</u> | | | | |
| <u>Two layers of 375 micron dampproof course in slip joints between horizontal concrete and brick surfaces including cement mortar bed (Provisional)</u> | | | | |
| 66 | m | 805 | | |
| 67 | m ² | 4 007 | | |
| <u>Expansion joints with 10mm thick bitumen impregnated softboard between vertical concrete and brick surfaces.</u> | | | | |
| 68 | m | 2 493 | | |
| <u>Saw-cut joints</u> | | | | |
| 69 | m | 4 154 | | |
| <u>Construction joints</u> | | | | |
| 70 | m | 4 151 | | |
| <u>REINFORCEMENT (PROVISIONAL) (CPAP WORK GROUP NO. 114)</u> | | | | |
| <u>Mild tensile steel reinforcement to structural concrete work</u> | | | | |
| 71 | Tonnes | 603.48 | | |
| <u>High tensile steel reinforcement to structural concrete work</u> | | | | |
| 72 | Tonnes | 905.23 | | |
| <u>Fabric reinforcement</u> | | | | |
| 73 | m ² | 2 601 | | |
| 74 | m ² | 10 316 | | |
| Carried to Collection | | | R | |
| Bill No. 2 | | | | |
| Concrete, Formwork And Reinforcement | | | | |

Amount

BILL NO. 2
CONCRETE, FORMWORK AND REINFORCEMENT
COLLECTION

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Unit Quantity Rate Amount

BILL NO. 3
PRECAST CONCRETE

The bidder is referred to the relevant clauses in the construction works general specifications (PW 371 A), to the Architectural and Structural/Civil Engineering specifications documents, to the drawings (which are to be read in conjunction with the architectural specification), and to all general and project-specific specifications as contained in the complete Bid Documents. Bidders are thus urged to study these documents as rates will be deemed to be inclusive of all requirements as included in same. Further, should any discrepancy be noted between these Bills of Quantities and the Specifications, the Specifications shall take precedence.

Further to the above, Bidders are to note that the latest edition of SANS 10400, current at the time of the tender will form part of the specifications to this contract and as such, pricing shall be deemed to include for complete conformance in all respects to the requirements of SANS 10400.

SUPPLEMENTARY PREAMBLES

Working at Heights:

Tenderers are to note that the work to be undertaken may require all necessary scaffolding, due to the heights of the structures to be constructed/ altered. Tenderers are to therefore price accordingly as rates will be deemed to include for same and No further claims in regard to all necessary scaffolding in the completion of the scope of works will be entertained.

Carried to Collection

R

Bill No. 3
 Precast Concrete

| | Unit | Quantity | Rate | Amount |
|--|------|----------|------|--------|
| <p><u>Labour Intensive</u></p> <p>Tenderers are to note well that specific items within these Bills of Quantities have been designated as LABOUR INTENSIVE by the addition of the aforementioned words in uppercase at the end of the description for the said item. Where items have been designated as being LABOUR INTENSIVE as described, pricing shall be deemed to include for the carrying out to completion of said item on site by means and methods that rely predominantly on manual labour. As such, no claims shall be entertained regarding any additional time or monetary costs incurred by the use of LABOUR INTENSIVE methods. Further, the Contractor is to note that contravention of the above i.e. use of mechanised systems to carry out LABOUR INTENSIVE work as hereinafter designated, will be viewed and dealt with in an extremely serious light by the Client, as it remains a national imperative to develop, employ and provide skills through the Extended Public Works Programme.</p> <p><u>Sizes</u></p> <p>Blocks, sills, etc. measured linear shall be made in suitable lengths. Large size setting out drawings shall be prepared where necessary and submitted to the principal agent for approval before moulds are made</p> <p><u>General</u></p> <p>Where kerbstones, blocks, etc. are laid in ground descriptions shall be deemed to include necessary excavation, filling in and ramming</p> <p><u>Drawings:</u></p> <p>Tenderers are to note that where descriptions include reference drawings which form part of the tender documentation, notwithstanding anything contained in the description, tenderers are to price these items in accordance with the drawings. Further, the onus is on the tenderer to ensure that all relevant drawings referenced in the Bills of Quantities are included in the tender documents. No further time or monetary claims resulting from any of the above will be entertained.</p> <p><u>PRECAST CONCRETE SILLS,ETC</u></p> <p><u>"LG Green" or other approved precast concrete sills etc. Finished smooth on exposed surfaces, including bedding, jointing and pointing:</u></p> | | | | |
| 1 | m | 519 | | |
| 2 | m | 519 | | |
| Carried to Collection | | | R | |
| Bill No. 3 Precast Concrete | | | | |

| | Unit | Quantity | Rate | Amount |
|--|---|----------------|------|--------|
| <u>PRECAST CONCRETE WINDOW SURROUNDS</u> | | | | |
| <u>"LG Green" or other approved precast concrete window surrounds etc. Finished smooth on exposed surfaces, including bedding, jointing and pointing:</u> | | | | |
| 3 | 'GB102' 190 x 190 x 190mm Grille blocks. (LABOUR INTENSIVE) | m ² | 198 | |
| <u>PRECAST CONCRETE COPINGS ETC</u> | | | | |
| <u>"LG Green" or other approved:</u> | | | | |
| 4 | 'CCB9' size 285 x 90mm Concrete coping to tops of concrete beams including bedding in approved mortar. (LABOUR INTENSIVE) | m | 472 | |
| Carried to Collection | | | R | |
| Bill No. 3 | | | | |
| Precast Concrete | | | | |
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COLLECTION

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Precast Concrete

Unit Quantity Rate Amount

BILL NO. 4

MASONRY

The bidder is referred to the relevant clauses in the construction works general specifications (PW 371 A), to the Architectural and Structural/Civil Engineering specifications documents, to the drawings (which are to be read in conjunction with the architectural specification), and to all general and project-specific specifications as contained in the complete Bid Documents. Bidders are thus urged to study these documents as rates will be deemed to be inclusive of all requirements as included in same. Further, should any discrepancy be noted between these Bills of Quantities and the Specifications, the Specifications shall take precedence.

Further to the above, Bidders are to note that the latest edition of SANS 10400, current at the time of the tender will form part of the specifications to this contract and as such, pricing shall be deemed to include for complete conformance in all respects to the requirements of SANS 10400.

SUPPLEMENTARY PREAMBLES:

Working at Heights:

Tenderers are to note that the work to be undertaken may require all necessary scaffolding, due to the heights of the structures to be constructed/ altered. Tenderers are to therefore price accordingly as rates will be deemed to include for same and No further claims in regard to all necessary scaffolding in the completion of the scope of works will be entertained.

Carried to Collection

R

| | Unit | Quantity | Rate | Amount |
|---|------|----------|-----------------------|--------|
| <p><u>Labour Intensive</u></p> <p>Tenderers are to note well that specific items within these Bills of Quantities have been designated as LABOUR INTENSIVE by the addition of the aforementioned words in uppercase at the end of the description for the said item. Where items have been designated as being LABOUR INTENSIVE as described, pricing shall be deemed to include for the carrying out to completion of said item on site by means and methods that rely predominantly on manual labour. As such, no claims shall be entertained regarding any additional time or monetary costs incurred by the use of LABOUR INTENSIVE methods. Further, the Contractor is to note that contravention of the above i.e. use of mechanised systems to carry out LABOUR INTENSIVE work as hereinafter designated, will be viewed and dealt with in an extremely serious light by the Client, as it remains a national imperative to develop, employ and provide skills through the Extended Public Works Programme.</p> | | | | |
| <p><u>BRICKWORK</u></p> | | | | |
| <p><u>Sizes in descriptions</u></p> <p>Where sizes in descriptions are given in brick units, 'one brick' shall represent the length and 'half brick' the width of a brick</p> | | | | |
| <p><u>Bagged and sealed walls</u></p> <p>Walls in two skins described as 'bagged and sealed' shall be deemed to include having the outer face of the inner skin bagged with 1:6 cement and sand mixture and sealed with two coats bitumen emulsion waterproofing coating</p> | | | | |
| <p><u>Face bricks</u></p> <p>Bricks shall be ordered timeously to obtain uniformity in size and colour</p> | | | | |
| <p><u>Pointing</u></p> <p>Descriptions of recessed pointing to fair face brickwork and face brickwork shall be deemed to include square recessed, hollow recessed, weathered pointing, etc.</p> | | | | |
| <p><u>Hollow walls</u></p> <p>Hollow walls to have dipped galvanised mild steel butterfly ties every third course.</p> <p>The outer face of inner skin to be painted with bitumen paint.</p> | | | | |
| | | | Carried to Collection | R |
| <p>Bill No. 4 Masonry</p> | | | | |

| | Unit | Quantity | Rate | Amount |
|--|--|----------------|----------|--------|
| <u>Drawings:</u> | | | | |
| Tenderers are to note that where descriptions include reference drawings which form part of the tender documentation, notwithstanding anything contained in the description, tenderers are to price these items in accordance with the drawings. Further, the onus is on the tenderer to ensure that all relevant drawings referenced in the Bills of Quantities are included in the tender documents. No further time or monetary claims resulting from any of the above will be entertained. | | | | |
| <u>BRICKWORK IN FOUNDATIONS (PROVISIONAL)</u> | | | | |
| <u>Brickwork of NFX bricks (14 Mpa nominal compressive strength) in class II mortar</u> | | | | |
| 1 | Piers. (LABOUR INTENSIVE) | m ³ | 1 | |
| 2 | Half brick walls. (LABOUR INTENSIVE) | m ² | 341 | |
| <u>BRICKWORK IN SUPERSTRUCTURE</u> | | | | |
| <u>Brickwork of NFX bricks (14 MPa nominal compressive strength) in class II mortar</u> | | | | |
| 3 | Piers. (LABOUR INTENSIVE) | m ³ | 1 | |
| 4 | Half brick walls. (LABOUR INTENSIVE) | m ² | 470 | |
| 5 | One brick walls bagged and sealed. (LABOUR INTENSIVE) | m ² | 6 740 | |
| 6 | One brick walls to underside of concrete benches. (LABOUR INTENSIVE) | m ² | 7 | |
| 7 | One brick wall bagged and sealed built circular. (LABOUR INTENSIVE) | m ² | 64 | |
| 8 | 280mm Hollow walls of two half brick skins bagged and sealed including wire ties. (LABOUR INTENSIVE) | m ² | 637 | |
| 9 | 300mm Hollow walls of two half brick skins bagged and sealed including wire ties. (LABOUR INTENSIVE) | m ² | 212 | |
| 10 | 330mm Hollow walls of two half brick skins bagged and sealed including wire ties. (LABOUR INTENSIVE) | m ² | 45 | |
| 11 | 350mm Hollow walls of two half brick skins bagged and sealed including wire ties. (LABOUR INTENSIVE) | m ² | 2 542 | |
| 12 | 395mm Hollow walls of three half brick skins bagged and sealed including wire ties. (LABOUR INTENSIVE) | m ² | 4 | |
| 13 | 430mm Hollow walls of three half brick skins bagged and sealed including wire ties. (LABOUR INTENSIVE) | m ² | 73 | |
| Carried to Collection | | | | |
| | | | R | |
| Bill No. 4 Masonry | | | | |

| | | Unit | Quantity | Rate | Amount |
|----|---|----------------|----------|------|--------|
| 14 | 460mm Hollow walls (two hollows) of three half brick skins bagged and sealed including wire ties. (LABOUR INTENSIVE) | m ² | 1 198 | | |
| 15 | 465mm Hollow walls of three half brick skins bagged and sealed including wire ties. (LABOUR INTENSIVE) | m ² | 52 | | |
| 16 | 500mm Hollow walls of three half brick skins bagged and sealed including wire ties. (LABOUR INTENSIVE) | m ² | 4 | | |
| 17 | Two brick walls bagged and sealed. (LABOUR INTENSIVE) | m ² | 1 | | |
| | <u>Brickwork of NFP bricks in class II mortar:</u> | | | | |
| 18 | Half brick linings to concrete. (LABOUR INTENSIVE) | m ² | 1 208 | | |
| | <u>BRICKWORK SUNDRIES</u> | | | | |
| 19 | Splayed mortal fillet to 50mm cavity. (LABOUR INTENSIVE) | m | 223 | | |
| 20 | Splayed mortal fillet to 110mm cavity. (LABOUR INTENSIVE) | m | 686 | | |
| 21 | Splayed mortal fillet to 225mm cavity. (LABOUR INTENSIVE) | m | 337 | | |
| 22 | Closing 50mm cavity of hollow wall horizontally with one course of brickwork. (LABOUR INTENSIVE) | m | 223 | | |
| 23 | Closing 110mm cavity of hollow wall horizontally with one course of brickwork. (LABOUR INTENSIVE) | m | 686 | | |
| 24 | Closing 225mm cavity of hollow wall horizontally with one course of brickwork. (LABOUR INTENSIVE) | m | 337 | | |
| 25 | "Saint-Gobain Isover" 130mm Polystyrene infill or other approved polystyrene infill to cavity walls. (LABOUR INTENSIVE) | m ² | 614 | | |
| 26 | Type 395 Mesh reinforcement in cavity walls (LABOUR INTENSIVE) | m ² | 204 | | |
| | <u>Brickwork reinforcement:</u> | | | | |
| 27 | 75mm wide reinforcement built in horizontally. (LABOUR INTENSIVE) | m | 6 712 | | |
| 28 | 150mm wide reinforcement built in horizontally. (LABOUR INTENSIVE) | m | 27 216 | | |
| 29 | 230mm wide reinforcement built in horizontally. (LABOUR INTENSIVE) | m | 13 564 | | |
| | Carried to Collection | | | R | |
| | Bill No. 4 | | | | |
| | Masonry | | | | |

| | | Unit | Quantity | Rate | Amount |
|----|---|------|----------|------|--------|
| 30 | 305mm wide reinforcement built in horizontally. (LABOUR INTENSIVE) | m | 5 340 | | |
| | <u>Prestressed fabricated lintels:</u> | | | | |
| 31 | 110 x 175mm lintels in lengths not exceeding 3m. (LABOUR INTENSIVE) | m | 871 | | |
| 32 | 110 x 175mm lintels in lengths exceeding 3m and not exceeding 4.5m. (LABOUR INTENSIVE) | m | 115 | | |
| 33 | 110 x 175mm lintels in lengths exceeding 4.5m and not exceeding 6m. (LABOUR INTENSIVE) | m | 182 | | |
| 34 | 110 x 175mm lintels in lengths exceeding 6m and not exceeding 7.5m. (LABOUR INTENSIVE) | m | 13 | | |
| 35 | 110 x 175mm lintels in lengths exceeding 7.5m and not exceeding 9m. (LABOUR INTENSIVE) | m | 79 | | |
| | <u>Turning pieces to lintels etc.</u> | | | | |
| 36 | 110mm Wide turning piece to lintels etc. (LABOUR INTENSIVE) | m | 825 | | |
| | <u>Openings through brickwork, etc (Provisional)</u> | | | | |
| 37 | Core drilling for 210mm diameter opening through one and a half hard burnt clay brick wall | No | 3 | | |
| 38 | Core drilling for 250mm diameter opening through one and a half hard burnt clay brick wall | No | 2 | | |
| 39 | Core drilling for 300mm diameter opening through one and a half hard burnt clay brick wall | No | 2 | | |
| 40 | Core drilling for 450mm diameter opening through one and a half hard burnt clay brick wall | No | 1 | | |
| | <u>FACE BRICKWORK</u> | | | | |
| | <u>SUPPLEMENTARY PREAMBLE:</u> | | | | |
| | Motar mix to be by Cemcrete (colour: Black). | | | | |
| | Entire mix to be tinted black within a well controlled batch plant to avoid any variation in colour. | | | | |
| | <u>Face brickwork sample panel of Corobrik "The Black Brick" or other approved face bricks, including strip footing, etc and demolishing on completion of the works.</u> | | | | |
| 41 | One brick sample panel 2 x 1m high, faced and pointed on both sides and ends and finished on top with brick- on-edge header course (Provisional) . (LABOUR INTENSIVE) | No | 1 | | |
| | Carried to Collection | | | | |
| | Bill No. 4 Masonry | | | | |
| | | | | R | |

| | Unit | Quantity | Rate | Amount |
|--|--|----------------|----------|--------|
| <u>Corobrik "The Black Brick" or other approved face bricks in stack bond or stretcher bond pointed with recessed horizontal and vertical joints of 10mm.</u> | | | | |
| 42 | Extra over brickwork for face brickwork in foundations (Provisional). (LABOUR INTENSIVE) | m ² | 94 | |
| 43 | Extra over brickwork for face brickwork. (LABOUR INTENSIVE) | m ² | 8 800 | |
| 44 | Half brick walls faced both sides, and constructed in stack bond. (LABOUR INTENSIVE) | m ² | 77 | |
| 45 | One brick walls faced both sides, and constructed in stack bond. (LABOUR INTENSIVE) | m ² | 269 | |
| 46 | Extra over brickwork for brick-on-edge header course lintels pointed on face and 230mm soffit. (LABOUR INTENSIVE) | m | 1 236 | |
| 47 | Extra over brickwork for Soldier course brickwork header. (LABOUR INTENSIVE) | m | 248 | |
| 48 | Fair cutting and fittings around pipe not exceeding 100mm diameter. (LABOUR INTENSIVE) | No | 134 | |
| 49 | Raking cutting and waste to top of one brick walls to match roof profile above. (LABOUR INTENSIVE) | m | 79 | |
| <u>FACEBRICK COPINGS, CILLS, ETC.</u> | | | | |
| <u>Brick-on-edge header course copings, cills, etc. of "Corobrik The Black Brick" or other approved face bricks pointed with flush joints on all exposed faces:</u> | | | | |
| 50 | 115mm Wide cills set sloping and slightly projecting. (LABOUR INTENSIVE) | m | 519 | |
| <u>MORTAR TESTING</u> | | | | |
| <u>Mortar testing to SANS:</u> | | | | |
| 51 | Compressive strength tests (Provisional). (LABOUR INTENSIVE) | No | 50 | |
| <u>CAESARSTONE QUARTZ ETC</u> | | | | |
| <u>20mm Stain and impact "Caesarstone" or other approved Quartz stone vanities, counter tops, etc. with square lining edge on galvanised mild steel framework bolted to wall.</u> | | | | |
| 52 | Top of wash hand basin approximate size 2170mm long x 580mm wide including front fascia of size 2170mm long x 240mm high. (LABOUR INTENSIVE) | No | 6 | |
| | | | R | |
| Carried to Collection | | | | |
| Bill No. 4 Masonry | | | | |

| | | Unit | Quantity | Rate | Amount |
|-----------------------|--|------|----------|------|--------|
| 53 | Splashback size 2170mm long x 340mm high. (LABOUR INTENSIVE) | No | 6 | | |
| 54 | Extra over for wash hand basin cut out approximate size 2100mm x 50mm . (LABOUR INTENSIVE) | No | 6 | | |
| 55 | Top of wash hand basin size 1350mm long x 580mm wide including front fascia of size 3150mm long x 240mm high. . (LABOUR INTENSIVE) | No | 4 | | |
| 56 | Splashback size 1350mm long x 340mm high. (LABOUR INTENSIVE) | No | 4 | | |
| 57 | Extra over for wash hand basin cut out approximate size 1250mm x 50mm . (LABOUR INTENSIVE) | No | 4 | | |
| Carried to Collection | | | | R | |
| Bill No. 4 Masonry | | | | | |

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Bill No. 4
Masonry

| | Unit | Quantity | Rate | Amount |
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| <p>BILL NO. 5 <u>WATERPROOFING</u></p> | | | | |
| <p>The bidder is referred to the relevant clauses in the construction works general specifications (PW 371 A), to the Architectural and Structural/Civil Engineering specifications documents, to the drawings (which are to be read in conjunction with the architectural specification), and to all general and project-specific specifications as contained in the complete Bid Documents. Bidders are thus urged to study these documents as rates will be deemed to be inclusive of all requirements as included in same. Further, should any discrepancy be noted between these Bills of Quantities and the Specifications, the Specifications shall take precedence.</p> <p>Further to the above, Bidders are to note that the latest edition of SANS 10400, current at the time of the tender will form part of the specifications to this contract and as such, pricing shall be deemed to include for complete conformance in all respects to the requirements of SANS 10400.</p> | | | | |
| <p><u>SUPPLEMENTARY PREAMBLES</u></p> <p><u>Working at Heights:</u></p> <p>Tenderers are to note that the work to be undertaken may require all necessary scaffolding, due to the heights of the structures to be constructed/ altered. Tenderers are to therefore price accordingly as rates will be deemed to include for same and No further claims in regard to all necessary scaffolding in the completion of the scope of works will be entertained.</p> | | | | |
| | | | | |
| <p>Carried to Collection</p> <p>Bill No. 5 Waterproofing</p> | | | R | |

| | Unit | Quantity | Rate | Amount |
|--|------|----------|------|--------|
| <p><u>Labour Intensive</u></p> <p>Tenderers are to note well that specific items within these Bills of Quantities have been designated as LABOUR INTENSIVE by the addition of the aforementioned words in uppercase at the end of the description for the said item. Where items have been designated as being LABOUR INTENSIVE as described, pricing shall be deemed to include for the carrying out to completion of said item on site by means and methods that rely predominantly on manual labour. As such, no claims shall be entertained regarding any additional time or monetary costs incurred by the use of LABOUR INTENSIVE methods. Further, the Contractor is to note that contravention of the above i.e. use of mechanised systems to carry out LABOUR INTENSIVE work as hereinafter designated, will be viewed and dealt with in an extremely serious light by the Client, as it remains a national imperative to develop, employ and provide skills through the Extended Public Works Programme.</p> <p><u>Waterproofing</u></p> <p>Waterproofing of roofs, basements, etc. shall be laid under a ten year guarantee. Waterproofing to roofs shall be laid to even falls to outlets etc. with necessary ridges, hips and valleys. Descriptions of sheet or membrane waterproofing shall be deemed to include additional labour to turn-ups and turn-downs</p> <p><u>Proprietary branded products:</u></p> <p>Proprietary branded products are to be applied in strict accordance with the manufacturer's instructions. Should the manufacturer's instructions be found not to have been followed in any process relating to the product in relation to, but not limited to transportation, application (rates and methodology), treatment of existing surfaces etc. , then all liability for such product shall be transferred to the appointed Main Contractor.</p> <p><u>Drawings:</u></p> <p>Tenderers are to note that where descriptions include reference drawings which form part of the tender documentation, notwithstanding anything contained in the description, tenderers are to price these items in accordance with the drawings. Further, the onus is on the tenderer to ensure that all relevant drawings referenced in the Bills of Quantities are included in the tender documents. No further time or monetary claims resulting from any of the above will be entertained.</p> | | | | |
| <p>Carried to Collection</p> <p>Bill No. 5 Waterproofing</p> | | | R | |

| | Unit | Quantity | Rate | Amount |
|--|--|----------------|----------|--------|
| <u>DAMP-PROOFING OF WALLS AND FLOORS</u> | | | | |
| <u>One layer 375 micron embossed polyethylene dampproof course (SANS 952-1985 type B)</u> | | | | |
| 1 | In walls. (LABOUR INTENSIVE) | m ² | 117 | |
| 2 | In walls, under cills, etc. (LABOUR INTENSIVE) | m | 519 | |
| <u>One layer 250 micron green polyethylene waterproof sheeting (SANS 952-1985 type C) sealed at laps with PVC self-adhesive tape</u> | | | | |
| 3 | Under surface beds. (LABOUR INTENSIVE) | m ² | 2 601 | |
| <u>WATERPROOFING OF WALLS</u> | | | | |
| <u>One layer 'Derbigum CG4' or other approved waterproofing membrane sealed by means of 'torchfusion' with 100mm side laps and 150mm end laps</u> | | | | |
| 4 | On retaining walls (LABOUR INTENSIVE) | m ² | 1 868 | |
| <u>WATERPROOFING TO ROOFS, BASEMENTS, ETC</u> | | | | |
| <u>1.5mm Gurtex (SG338) or other approved two-Component water-based waterproof latex coating spray-on seamless waterproofing system by specialist</u> | | | | |
| 5 | On flat roofs. (LABOUR INTENSIVE) | m ² | 769 | |
| 6 | To tops and sides of beams, projections, etc. (LABOUR INTENSIVE) | m ² | 1 137 | |
| 7 | 30 x 30mm Triangular fillet (LABOUR INTENSIVE) | m | 453 | |
| 8 | Additional membrane and sealing into 110mm diameter outlet. (LABOUR INTENSIVE) | No | 28 | |
| <u>PROTECTIVE ROOFING PAINT</u> | | | | |
| <u>Two coats heavy duty acrylic emulsion paint</u> | | | | |
| 9 | On waterproofing to flat roofs. (LABOUR INTENSIVE) | m ² | 769 | |
| 10 | To tops and sides of beams, projections, etc. (LABOUR INTENSIVE) | m ² | 1 137 | |
| <u>SPECIALIST PROTECTIVE STONE DRESSING</u> | | | | |
| <u>Clean crushed stone dressing free of pyrite or other contaminants, of 19mm stone evenly spread with and including larger stones around outlets</u> | | | | |
| 11 | 50mm Thick on waterproofing to flat roofs (waterproofing elsewhere measured). (LABOUR INTENSIVE) | m ² | 769 | |
| | | | | |
| Carried to Collection | | | | |
| | | | R | |
| | | | | |
| Bill No. 5 Waterproofing | | | | |

| | Unit | Quantity | Rate | Amount |
|--|----------------|----------|------|------------|
| <u>PROTECTIVE SHEETING</u> | | | | |
| <u>30mm Polystyrene protective sheeting</u> | | | | |
| 12 | m ² | 1 030 | | |
| <u>SEALING STRIPS, JOINT SEALANTS, ETC</u> | | | | |
| <u>'Bostik' or other approved silicone sealant</u> | | | | |
| 13 | m | 2 198 | | |
| <u>Two-part grey polysulphide sealing compound including backing cord, bond breaker, primer, etc.</u> | | | | |
| 14 | m | 2 493 | | |
| <u>"Sandor Jointex" or other approved joint filler:</u> | | | | |
| 15 | m | 2 493 | | |
| <u>WATERPROOFING SEALANTS TO NEW WALLS, FLOORS, ROOFS, ETC.</u> | | | | |
| <u>"Cemflex" or other approved waterproofing slurry:</u> | | | | |
| 16 | m ² | 260 | | |
| 17 | m ² | 27 | | |
| <u>TESTING, ETC.</u> | | | | |
| <u>Flood test</u> | | | | |
| 18 | No | 7 | | |
| <u>BUDGETARY ALLOWANCES</u> | | | | |
| <u>Fibre glass to water and chemical tanks.</u> | | | | |
| 19 | Item | | | 100 000 00 |
| | | | | |
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| Bill No. 5 Waterproofing | | | | |

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WATERPROOFING
COLLECTION

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Unit Quantity Rate Amount

BILL NO. 6
ROOF COVERINGS

he bidder is referred to the relevant clauses in the construction works general specifications (PW 371 A), to the Architectural and Structural/Civil Engineering specifications documents, to the drawings (which are to be read in conjunction with the architectural specification), and to all general and project-specific specifications as contained in the complete Bid Documents. Bidders are thus urged to study these documents as rates will be deemed to be inclusive of all requirements as included in same. Further, should any discrepancy be noted between these Bills of Quantities and the Specifications, the Specifications shall take precedence.

Further to the above, Bidders are to note that the latest edition of SANS 10400, current at the time of the tender will form part of the specifications to this contract and as such, pricing shall be deemed to include for complete conformance in all respects to the requirements of SANS 10400.

SUPPLEMENTARY PREAMBLES

Working at Heights:

Tenderers are to note that the work to be undertaken may require all necessary scaffolding, due to the heights of the structures to be constructed/ altered. Tenderers are to therefore price accordingly as rates will be deemed to include for same and No further claims in regard to all necessary scaffolding in the completion of the scope of works will be entertained.

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Bill No. 6
 Roof Coverings

| | Unit | Quantity | Rate | Amount |
|---|------|----------|------|--------|
| <p><u>Labour Intensive</u></p> <p>Tenderers are to note well that specific items within these Bills of Quantities have been designated as LABOUR INTENSIVE by the addition of the aforementioned words in uppercase at the end of the description for the said item. Where items have been designated as being LABOUR INTENSIVE as described, pricing shall be deemed to include for the carrying out to completion of said item on site by means and methods that rely predominantly on manual labour. As such, no claims shall be entertained regarding any additional time or monetary costs incurred by the use of LABOUR INTENSIVE methods. Further, the Contractor is to note that contravention of the above i.e. use of mechanised systems to carry out LABOUR INTENSIVE work as hereinafter designated, will be viewed and dealt with in an extremely serious light by the Client, as it remains a national imperative to develop, employ and provide skills through the Extended Public Works Programme.</p> | | | | |
| <p><u>SHEETING</u></p> <p>The roof sheeting shall be double-interlocking concealed-fix "BROWNBUILT 406" or other approved profile 3004 roll formed in continuous lengths and cut to length by a pneumatic cut-off process. A certificate verifying compliance shall be issued by the manufacturer, " Global Roofing Solutions" or other approved. Roof sheeting to be installed on and including 22mm thick marine plyboards and fixed to steel purlins (purlins elsewhere measured. The rate for the roof sheeting to include for 22mm thick marine plyboards.</p> <p>The roof sheets shall be fixed to steel purlins using duplex clips each fixed with and including 10No. 16 x 22mm long grade 304 stainless steel bi-metal self-drilling wafer head PH2 screws, No. 3 drill point ZAP class 5 fasteners, all in strict accordance with the manufacturers instructions.</p> | | | | |
| <p><u>FINISH FOR "BROWNBUILT 406' OR OTHER APPROVED ROOF SHEETING</u></p> <p>The paint finish shall be a charcoal grey-Tech G4 finish colour to one side, with standard grey finish to the reverse side.</p> | | | | |
| Carried to Collection | | | R | |
| <p>Bill No. 6 Roof Coverings</p> | | | | |

| | Unit | Quantity | Rate | Amount |
|---|------|----------|------|--------|
| <p><u>"BROWNBUILT 406" OR OTHER APPROVED FLASHINGS</u></p> | | | | |
| <p>Flashings specifications shall be to the " Global Roofing Solutions" or other approved standards and fixed to the sheeting with and including approved fixings. Prior to flashings being fixed, all troughs at the apex shall be stop-ended to the full depth of the sheet in order to prevent any penetration of wind driven water. The trough shall be lipped at the eaves end to form a drip. Transverse flashing flanges shall be notched to the sheet profile where necessary. All these operations must be performed with special tools available from 'Global Roofing Solutions" or other approved.</p> | | | | |
| <p><u>INSTALLATION</u></p> | | | | |
| <p>Every precaution shall be taken to prevent damage to roof sheets during all stages of construction. Duck boards should be used when necessary to protect the sheeting from damage. Sheeting which has become deformed or damaged in any way, should be replaced. Care shall be taken to ensure that no sheeting or flashing will be cut with abrasive disc on roof surfaces in order to prevent steel particles from penetrating coated surfaces.</p> | | | | |
| <p><u>SAFETY</u></p> | | | | |
| <p>The Contractor shall exercise special care when handling long length sheeting, particularly in windy conditions. Should work be interrupted for any reason, all loose sheeting and incomplete sections must be adequately secured against possible movement by wind and gravity.</p> | | | | |
| <p><u>HANDLING AND STORAGE</u></p> | | | | |
| <p>The Contractor shall ensure that all materials used on site for roofing/ cladding, be transported, handled and stored in accordance with the manufacturer's recommendations. Material damaged shall be rejected and replaced with undamaged material at the Contractor's expense. Repair of damaged material will not generally be permitted. Rates are to include for preventing damage and protecting sheets through all stages of construction.</p> | | | | |
| <p><u>INSPECTION PRIOR TO INSTALLATION</u></p> | | | | |
| <p>Before commencing installation, the Contractor shall verify that the following items have been checked and replaced:</p> | | | | |
| <p>a. The entire structure or the portion thereof to be sheeted has been correctly aligned, leveled and grouted.</p> | | | | |
| <p>b. Purlins and girts are at the correct spacing and are within the specified tolerances.</p> | | | | |
| <p>Carried to Collection</p> | | | R | |
| <p>Bill No. 6 Roof Coverings</p> | | | | |

| | Unit | Quantity | Rate | Amount |
|--|------|----------|------|--------|
| <p>c. The corners of the roof are square and the wall framework is perpendicular or as specified.</p> <p>d. No protrusions such as bolt heads, splice plates, cleats, etc. appear on the face of the framework.</p> <p>e. All members to which roofing and cladding are to be fixed in aesthetically sensitive areas are true and square.</p> <p>f. Paint and any other materials that may be incompatible with the sheeting, have been painted over or, so dealt with that direct contact with the sheeting is avoided.</p> <p>g. The contact faces between the purlins or the girts and the cladding are in the same plane. Should the alignment be inadequate, the Contractor shall request instructions from the engineer before proceeding with the fixing of the cladding.</p> | | | | |
| <p><u>PROTRUSION THROUGH SHEETED SURFACES</u></p> | | | | |
| <p>Protrusions such as pipes, ducts and the like, shall be adequately flashed where they pass through the sheeting surface. Where ribs have to be cut away to permit penetration, additional framing is to be installed as required to support the sheeting. Depending on the position of the penetration through the roof, special attention shall be given to back flashing the sheeting to the ridge or point of water entry. In all cases, all cutting and flashings shall be so arranged that adequate provision is made for the drainage of all troughs and corrugations.</p> | | | | |
| <p><u>GUARANTEE</u></p> | | | | |
| <p>The manufacturer shall comply with ISO 9001: 2008 Quality Management System. "BROWNBUILT 406" or other approved sheeting shall be laid in strict accordance with the manufacturer's specifications by a "GRS" or other approved contractor. A written and approved five year guarantee of water-tightness shall be issued after approval of roofs by the manufacturer 'Global Roofing Solutions', or other approved.</p> | | | | |
| <p><u>CLEANING OF ROOF, ETC.</u></p> | | | | |
| <p>All debris, swarf, etc arising from the fixing of the cladding shall be removed from the sheeting as the fixing progresses. In addition, off-cuts of insulation, surplus fasteners, sealants, mandrels from pop rivets, off-cuts of sheeting, surplus flashing, food packaging, cartons, bottles, cans, etc shall not be left on the roof or in the gutters. Care shall be taken to ensure that no such material enters, blocks or partially impedes the flow of water into the outlets, down pipes, etc.</p> | | | | |
| <p style="text-align: right;">Carried to Collection</p> | | | R | |
| <p>Bill No. 6 Roof Coverings</p> | | | | |

| | Unit | Quantity | Rate | Amount |
|--|----------------|----------|------|--------|
| <u>Drawings:</u> | | | | |
| Tenderers are to note that where descriptions include reference drawings which form part of the tender documentation, notwithstanding anything contained in the description, tenderers are to price these items in accordance with the drawings. Further, the onus is on the tenderer to ensure that all relevant drawings referenced in the Bills of Quantities are included in the tender documents. No further time or monetary claims resulting from any of the above will be entertained. | | | | |
| <u>PROFILE METAL ROOF SHEETING AND ACCESSORIES</u> | | | | |
| <u>"BROWNBUILT 406" or other approved profile roll-formed in continuous lengths of certified 0.8mm aluminium roof sheeting with a charcoal grey- Tech G4 finish to one side and standard grey to the other side fixed to steel purlins using duplex clips with and including 10no. 16 x 22mm long grade 304 stainless steel bi-metal self drilling wafer head PH2 screws, and No. 3 drill point ZAP class 5 fasteners (Steel roof structure elsewhere measured) in strict accordance with the manufacturer's specifications by a "GRS" or other approved Contractor :</u> | | | | |
| 1 | m ² | 1 096 | | |
| <u>"BROWNBUILT 406" or other approved flashings:</u> | | | | |
| 2 | m | 39 | | |
| 3 | m | 140 | | |
| 4 | m | 140 | | |
| 5 | m | 156 | | |
| 6 | m | 79 | | |
| 7 | m | 78 | | |
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ROOF COVERINGS
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Unit Quantity Rate Amount

BILL NO. 7
CARPENTRY AND JOINERY

The bidder is referred to the relevant clauses in the construction works general specifications (PW 371 A), to the Architectural and Structural/Civil Engineering specifications documents, to the drawings (which are to be read in conjunction with the architectural specification), and to all general and project-specific specifications as contained in the complete Bid Documents. Bidders are thus urged to study these documents as rates will be deemed to be inclusive of all requirements as included in same. Further, should any discrepancy be noted between these Bills of Quantities and the Specifications, the Specifications shall take precedence.

Further to the above, Bidders are to note that the latest edition of SANS 10400, current at the time of the tender will form part of the specifications to this contract and as such, pricing shall be deemed to include for complete conformance in all respects to the requirements of SANS 10400.

SUPPLEMENTARY PREAMBLES

Working at Heights:

Tenderers are to note that the work to be undertaken may require all necessary scaffolding, due to the heights of the structures to be constructed/ altered. Tenderers are to therefore price accordingly as rates will be deemed to include for same and No further claims in regard to all necessary scaffolding in the completion of the scope of works will be entertained.

Carried to Collection

R

| | Unit | Quantity | Rate | Amount |
|---|------|----------|------|--------|
| <p><u>Labour Intensive</u></p> <p>Tenderers are to note well that specific items within these Bills of Quantities have been designated as LABOUR INTENSIVE by the addition of the aforementioned words in uppercase at the end of the description for the said item. Where items have been designated as being LABOUR INTENSIVE as described, pricing shall be deemed to include for the carrying out to completion of said item on site by means and methods that rely predominantly on manual labour. As such, no claims shall be entertained regarding any additional time or monetary costs incurred by the use of LABOUR INTENSIVE methods. Further, the Contractor is to note that contravention of the above i.e. use of mechanised systems to carry out LABOUR INTENSIVE work as hereinafter designated, will be viewed and dealt with in an extremely serious light by the Client, as it remains a national imperative to develop, employ and provide skills through the Extended Public Works Programme.</p> | | | | |
| <p><u>JOINERY</u></p> | | | | |
| <p><u>Fixing</u></p> <p>Items described as 'nailed' shall be deemed to be fixed with hardened steel nails or pins, or to be shot-pinned, to brickwork or concrete</p> <p>Items described as 'plugged' shall be deemed to include screwing to fibre, plastic or metal plugs at not exceeding 500mm centres, and where described as 'bolted', the bolts have been given elsewhere</p> | | | | |
| <p><u>Joinery</u></p> <p>Descriptions of frames shall be deemed to include frames, transomes, rails, etc.</p> <p>Descriptions of hardwood joinery shall be deemed to include sinking and pelleting heads and nuts of bolts</p> | | | | |
| <p><u>Decorative thermosetting plastic laminate covering</u></p> <p>Laminate covering shall be glued under pressure and edge strips of same shall be butt jointed at junctions with adjacent similar finish</p> | | | | |
| <p><u>PRE-TREATMENT OF TIMBER</u></p> <p>This service falls within the areas defined in the National Building Regulations for Treatment of Timber against insect pest affecting softwood permanently fixed in all buildings.</p> <p>The Regulations require that timber be treated in terms of SABS 05 and to comply with SABS 457, 753, 754 or 1288 as relevant. Tenderers are to make allowance in their rates accordingly.</p> | | | | |
| <p>Carried to Collection</p> | | | R | |
| <p>Bill No. 7 Carpentry And Joinery</p> | | | | |

| | Unit | Quantity | Rate | Amount |
|--|------|----------|-----------------------|--------|
| <u>Prices</u> | | | | |
| Rates for joinery shall include painting all exposed faces as per the relevant drawings. | | | | |
| <u>Drawings:</u> | | | | |
| Tenderers are to note that where descriptions include reference drawings which form part of the tender documentation, notwithstanding anything contained in the description, tenderers are to price these items in accordance with the drawings. Further, the onus is on the tenderer to ensure that all relevant drawings referenced in the Bills of Quantities are included in the tender documents. No further time or monetary claims resulting from any of the above will be entertained. | | | | |
| <u>DOORS</u> | | | | |
| <u>SUPPLEMENTARY PREAMBLES</u> | | | | |
| Tenderers are to note that where descriptions include reference drawings which form part of the tender documentation, notwithstanding anything contained in the description, tenderers are to price these items in accordance with the drawings. Further, the onus is on the tenderer to ensure that all relevant drawings referenced in the Bills of Quantities are included in the tender documents. No further time or monetary claims resulting from any of the above will be entertained. | | | | |
| <u>SOLID SAPELE DOORS</u> | | | | |
| <u>The tenderers are referred to the Architectural drawing No. 1010.16-SMC-SH-4201 when pricing the following doors.</u> | | | | |
| 1 | No | 3 | | |
| 44mm Thick double door, built up with equally divided panels approximately 1742 x 2032mm high(D1). | | | | |
| 2 | No | 23 | | |
| 44mm Thick single door, built up with equally divided panels approximately 912 x 2186mm high, set approximately 170mm high above floor level. (D4). | | | | |
| 3 | No | 93 | | |
| 44mm Thick single door, built up with equally divided panels approximately 813 x 2356mm high (D5). | | | | |
| 4 | No | 19 | | |
| 44mm Thick single door, built up with equally divided panels approximately 813 x 2356mm high and including cut out for 250 x 450mm door grille (Grille measured elsewhere) (D6) | | | | |
| 5 | No | 20 | | |
| 44mm Thick single door, built up with equally divided panels approximately 812 x 1860mm high, set approximately 240mm high above floor level. (D7). | | | | |
| | | | Carried to Collection | R |
| Bill No. 7 | | | | |
| Carpentry And Joinery | | | | |

| | | Unit | Quantity | Rate | Amount |
|----|---|------|----------|------|--------|
| 6 | 44mm Thick single door, built up with equally divided panels approximately 813 x 2356 high with and including 800 x 150mm high fixed viewing panel (glazing elsewhere). (D8) | No | 3 | | |
| | <u>The tenderers are referred to the Architectural drawing No. 1010.16-SMC-SH-4202 when pricing the following doors.</u> | | | | |
| 7 | 44mm Thick single door, built up with equally divided panels approximately 813 x 2032mm high (D18). | No | 30 | | |
| 8 | 44mm Thick single door, built up with equally divided panels approximately 1012 x 2356mm high (D19). | No | 3 | | |
| | <u>The tenderers are referred to the Architectural drawing No. 1010.16-SMC-SH-4203 when pricing the following doors.</u> | | | | |
| 9 | 44mm Thick single door, built up with equally divided panels size overall approximately 813 x 2356mm high with and including 114 x 44mm Thick glazed side light and frame overall size approximately 2100 x 2400mm high comprising eight equal panels of approximately 1050 x 600mm high with 2 opening panels (glazing elsewhere measured) (D22). | No | 31 | | |
| 10 | 44mm Thick single door, , built up with equally divided panels size overall approximately 813 x 2356mm high with and including 114 x 44mm Thick glazed side light and frame overall size approximately 3100 x 2400mm high comprising three equal panels in twelve equal panels of approximately 1033 x 600mm high (glazing elsewhere measured) (D23). | No | 10 | | |
| 11 | 44mm Thick double door, built up with equally divided panels size overall approximately 1830 x 2032mm high with two equal leaves (D28). | No | 2 | | |
| 12 | 44mm Thick single door, built up with equally divided panels size overall approximately 813 x 2032mm high with and including 114 x 44mm Thick glazed side light and frame overall size approximately 7070x 1150mm high comprising three equal panels of approximately 2356 x 1150mm high (glazing elsewhere measured) (D30). | No | 3 | | |
| 13 | 44mm Thick single door, built up with equally divided panels size overall approximately 813 x 2032mm high with and including 114 x 44mm Thick glazed side light and frame overall size approximately 5225 x 1150mm high comprising two equal panels of approximately 2615 x 1150mm high. (glazing elsewhere measured) (D31). | No | 1 | | |
| | Carried to Collection | | | R | |
| | Bill No. 7 Carpentry And Joinery | | | | |

| | Unit | Quantity | Rate | Amount |
|---|------|----------|-----------------------|--------|
| <p><u>JOINERY</u></p> <p><u>THE FOLLOWING IN TIMBER SHELVING UNITS</u></p> <p>Tenderers are to note that where descriptions include reference drawings which form part of the tender documentation, notwithstanding anything contained in the description, tenderers are to price these items in accordance with the drawings. Further, the onus is on the tenderer to ensure that all relevant drawings referenced in the Bills of Quantities are included in the tender documents. No further time or monetary claims resulting from any of the above will be entertained.</p> <p>The following shelving has been measured as complete units i.e. the components of the shelving units have not been separately measured. The descriptions, therefore of such shelving units shall be deemed to include all components, assembling, housing, notching, glueing, blocking, planting on, plugged and screwing with countersunk screws, edge strips, soft and hardwood, metalwork, paint or varnish finishes, etc. all in accordance with the relevant Architects drawings which form a part of the tender documentation.</p> <p><u>The following in 400mm wide shelving units:</u></p> | | | | |
| 21 | No | 3 | | |
| | | | Carried to Collection | R |
| <p>Bill No. 7 Carpentry And Joinery</p> | | | | |

| | | Unit | Quantity | Rate | Amount |
|----|--|------|----------|------|----------|
| 22 | Timber shelving unit size approximately 20250mm long x 400mm wide x 2120mm high overall comprising 4No. 19mm solid sapele timber shelves with and including 50mm downstand trim on front and sides including all necessary and approved fixings to and including prefabricated and adjustable galvanised and powder coated 300 x 150mm triangular steel bracket to slot into 10 x 10mm x 1.6mm thick prefabricated powdercoated adjustable shelving rail or wall bands to be fixed to brickwork at approximately 500mm centres and entire shelving unit to be finished with 2 coats clear varnish all as per Architectural drawing No. 1010.16.-SMC-DT-5311, attached at the back of these Bills of Quantities. (Record Rooms) | No | 2 | | |
| 23 | Timber shelving unit size approximately 14635mm long x 400mm wide x 2120mm high overall comprising 4No. 19mm solid sapele timber shelves with and including 50mm downstand trim on front and sides including all necessary and approved fixings to and including prefabricated and adjustable galvanised and powder coated 300 x 150mm triangular steel bracket to slot into 10 x 10mm x 1.6mm thick prefabricated powdercoated adjustable shelving rail or wall bands to be fixed to brickwork at approximately 500mm centres and entire shelving unit to be finished with 2 coats clear varnish all as per Architectural drawing No. 1010.16.-SMC-DT-5312, attached at the back of these Bills of Quantities. (Filing Room) | No | 1 | | |
| | <u>The following in 450mm wide shelving</u> | | | | |
| 24 | Timber shelving unit size approximately 4185mm long x 450mm wide x 2100mm high overall comprising 4No. 19mm solid sapele timber shelves with and including 50mm downstand trim on front and sides including all necessary and approved fixings to and including prefabricated and adjustable galvanised and powder coated 300 x 150mm triangular steel bracket to slot into 10 x 10mm x 1.6mm thick prefabricated powdercoated adjustable shelving rail or wall bands to be fixed to brickwork at approximately 500mm centres and entire shelving unit to be finished with 2 coats clear varnish all as per Architectural drawing No. 1010.16.-SMC-DT-5306 and drawing No. 1010.16.-SMC-DT-5308 , attached at the back of these Bills of Quantities. (Store) | No | 2 | | |
| | Carried to Collection | | | | R |
| | Bill No. 7 Carpentry And Joinery | | | | |

| | | Unit | Quantity | Rate | Amount |
|-------------------------------------|---|------|----------|-----------------------|--------|
| 25 | Timber shelving unit size approximately 3705mm long x 450mm wide x 1800mm high overall comprising 4No. 19mm solid sapele timber shelves with and including 50mm downstand trim on front and sides including all necessary and approved fixings to and including prefabricated and adjustable galvanised and powder coated 300 x 150mm triangular steel bracket to slot into 10 x 10mm x 1.6mm thick prefabricated powdercoated adjustable shelving rail or wall bands to be fixed to brickwork at approximately 500mm centres and entire shelving unit to be finished with 2 coats clear varnish all as per Architectural drawing No. 1010.16.-SMC-DT-5307, attached at the back of these Bills of Quantities. (Store) | No | 1 | | |
| 26 | Timber shelving unit size approximately 2700mm long x 450mm wide x 2160mm high overall comprising 4No. 19mm solid sapele timber shelves with and including 50mm downstand trim on front and sides including all necessary and approved fixings to and including prefabricated and adjustable galvanised and powder coated 300 x 150mm triangular steel bracket to slot into 10 x 10mm x 1.6mm thick prefabricated powdercoated adjustable shelving rail or wall bands to be fixed to brickwork at approximately 500mm centres and entire shelving unit to be finished with 2 coats clear varnish all as per Architectural drawing No. 1010.16.-SMC-DT-5308 and drawing No. 1010.16.-SMC-DT-5308, attached at the back of these Bills of Quantities. (Store) | No | 2 | | |
| 27 | Timber shelving unit size approximately 3705mm long x 450mm wide x 2100mm high overall comprising 4No. 19mm solid sapele timber shelves with and including 50mm downstand trim on front and sides including all necessary and approved fixings to and including prefabricated and adjustable galvanised and powder coated 300 x 150mm triangular steel bracket to slot into 10 x 10mm x 1.6mm thick prefabricated powdercoated adjustable shelving rail or wall bands to be fixed to brickwork at approximately 500mm centres and entire shelving unit to be finished with 2 coats clear varnish all as per Architectural drawing No. 1010.16.-SMC-DT-5309, attached at the back of these Bills of Quantities. (Store) | No | 1 | | |
| | | | | Carried to Collection | R |
| Bill No. 7 Carpentry And Joinery | | | | | |

| | Unit | Quantity | Rate | Amount |
|--|------|----------|-----------------------|--------|
| <p><u>The following in 300mm floating shelving</u></p> <p>31 300mm wide x 50mm thick solid Sapele timber floating shelf with and including concealed steel bracket supports and all necessary and approved fixings, fixed to brickwork and finished with two coats clear matt sealer as per Architect's drawing number 1010.16-SMC-DT-5301, 1010.16-SMC-DT-5304, 1010.16-SMC-DT-5305 and 1010.16-SMC-DT-5308 attached at the back of these Bills of Quantities. (Lower ground floor Kitchen)</p> | m | 16 | | |
| <p><u>FITTINGS TO OFFICES ETC</u></p> <p><u>SUPPLEMENTARY PREAMBLES</u></p> <p>The following fittings have been measured as complete units i.e. the components of the units have not been separately measured. The descriptions, therefore of such units shall be deemed to include components, assembling, housing, notching, glueing, blocking, planting on, plugging, and screwing with countersunk screws, edge strips, soft and hardwood, decorative plastic finish, formica, postforming, glass, ironmongery, metalwork, paint or varnish finishes, etc. In addition the rates for items must include for all cupboard, shelving, worktops, etc. All in accordance with the relevant Architects drawings attached to the back of these Bills of Quantities.</p> <p>Rates are to include for fabrication, painting, delivery to site and securely fixing the units in position with necessary nylon anchors, etc. , or suitable fasteners when fixing to brickwork and for touching up and making good to any damaged paintwork or parts after the units have been installed.</p> <p>All dimensions are to be determined on site before fabrication.</p> <p><u>The following in purpose made fittings.</u></p> <p>In respect of the following quantities and descriptions related to the office and/or kitchen furniture, tenderers are referred to the relevant Architectural drawings and are advised to study the drawings carefully. Notwithstanding the following quantities and/or descriptions or the supplementary preambles above, tenderers are to price these items in accordance with the relevant drawings and rates tendered shall be deemed inclusive of all required planting, bolting, timber members, cutting, joining, fixing, fixings, etc. to provide a complete installation. Further, the onus is on the tenderer to ensure that all relevant drawings referenced in these Bills of Quantities are included in the tender document. No further claims in this regard will be entertained. (Brickwork elsewhere measured)</p> | | | | |
| | | | Carried to Collection | R |
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| Carpentry And Joinery | | | | |

| | | Unit | Quantity | Rate | Amount |
|-------------------------------------|--|------|----------|-----------------------|--------|
| 32 | Purpose made U-shaped counter top and cupboard workstation overall size 9780mm long x 600mm wide x 775mm high comprising 2No. 3 drawer unit size 620 x 300 x 775mm and 1No. Drawer unit size 620 x 600 x 775mm and 4No. doors with centre shelf complete with 20mm Caesarstone Quartz counter tops all as per Architectural drawing No. 1010.16-SMC-DT-5302 attached at the back of these Bills of Quantities. (Work stations) | No | 1 | | |
| 33 | Purpose made counter top and cupboard overall size 3650mm long x 570mm wide x 800mm high comprising 1No. 3 drawer unit size 500 x 570 x 800mm and 2No. doors with centre shelf complete with 20mm Caesarstone Quartz counter tops all as per Architectural drawing No. 1010.16-SMC-DT-5307 attached at the back of these Bills of Quantities. (Process Office) | No | 1 | | |
| 34 | Purpose made counter top and cupboard overall size 2340mm long x 570mm wide x 800mm high comprising 1No. 3 drawer unit size 500 x 570 x 800mm and 1No. doors with centre shelf complete with 20mm Caesarstone Quartz counter tops all as per Architectural drawing No. 1010.16-SMC-DT-5307 attached at the back of these Bills of Quantities. (Process Office) | No | 1 | | |
| 35 | Purpose made reception counter top and cupboard overall size 3157mm long x 730mm wide x 795mm high comprising 1No. 3 drawer unit size 500 x 570 x 795mm and 2No. doors with centre shelf complete with 20mm Caesarstone Quartz counter tops all as per Architectural drawing No. 1010.16-SMC-DT-5309 attached at the back of these Bills of Quantities. (Reception) | No | 1 | | |
| 36 | Purpose made L-shaped counter top and cupboard workstation overall size 9356mm long x 600mm wide x 775mm high comprising 4No. 3 drawer size 595 x 600 x 775mm high and 1No. 820mm long x 600mm wide x 775mm high cupboard unit with centre shelf and 2No. 3 cupboard unit 620 x 600 x 775mm high with centre shelf and 1No. 595 x 600 x 775mm high cupboard unit with centre shelf and 8No. Doors complete with 20mm Caesarstone Quartz counter tops, all as per Architectural drawing No. 1010.16-SMC-DT-5314, attached at the back of these Bills of Quantities. (Work Area) | No | 1 | | |
| | | | | Carried to Collection | R |
| Bill No. 7 Carpentry And Joinery | | | | | |

| | | Unit | Quantity | Rate | Amount |
|-------------------------------------|--|------|----------|-----------------------|--------|
| 37 | Purpose made Circular/l-shaped counter top and cupboard workstation overall size approximately 10707mm long x 865mm wide x 775mm high comprising 1No. 340mm long x 600mm wide x 775mm high cupboard unit with centre shelf and 1No. 3650mm long x 600mm wide x 775mm high cupboard unit with centre shelf and 2No. cupboard unit 310 x 600 x 775mm high with centre shelf and 1No. 1600 x 600 x 775mm high cupboard unit with centre shelf and 7No. Doors complete with 20mm Caesarstone Quartz counter tops, all as per Architectural drawing No. 1010.16-SMC-DT-5314, attached at the back of these Bills of Quantities. (Work Area) | No | 1 | | |
| 38 | Purpose made counter unit overall size approximately 3545mm long x 740mm wide x 795mm high comprising 3No door cupboards each comprising of 170mm high stainless steel bar handle, and 1.No shelf 1145mm long x 480mm and 1No. Shelf 600mm long x 480mm wide, also comprising 3 drawer unit overall size 600 x 480mm x 795mm high, complete with 3545mm x 740mm x 20mm thick Caesarstone Quartz counter top unit complete, all as per Architectural drawing No. 1010.16-DT-5302 attached at the back of these Bills of Quantities. (Bullet proof glass elsewhere measured) (Ground Floor) | No | 1 | | |
| 39 | Purpose made cashier counter unit overall size approximately 1860mm long x 800mm wide x 785mm high comprising walnut timber veneer high drawer units with and including black heavy duty metal frame cash register drawer for point of sale system, complete with 1860mm x 740mm x 20mm thick Caesarstone Quartz counter top , fixed to brickwork (brickwork elsewhere measured) on one side with and including 75 x 75mm hot dip galvanised mild steel angle iron bolted to brickwork with and including M10 x 100mm long chemical anchor bolts and cashier unit complete with and including TAC stainless steel cash transfer drawer with 3 lock positions set to centre, all as per Architectural drawing No. 1010.16-SMC-DT-5303, attached at the back of these Bills of Quantities. | No | 2 | | |
| 40 | Purpose made counter unit overall size 2440mm long x 715mm wide x 775mm high comprising centre shelf and with 20mm thick Caesarstone Quartz top with square line edging, all as per Architectural drawing No. 1010.16-SMC-DT-5303 attached at the back of these Bills of Quantities. (Sink elsewhere measured) (Cash Hall) | No | 1 | | |
| | | | | Carried to Collection | R |
| Bill No. 7 Carpentry And Joinery | | | | | |

| | | Unit | Quantity | Rate | Amount |
|----|--|------|----------|------|--------|
| 41 | Purpose made counter unit overall size 2800mm long x 500mm wide x 900mm high comprising centre shelf and with 20mm thick Caesarstone Quartz top with square line edging, all as per Architectural drawing No. 1010.16-SMC-DT-5306 attached at the back of these Bills of Quantities.(Sink elsewhere measured) (Librarian) | No | 1 | | |
| 42 | Purpose made L-shaped kitchen sink cupboard unit overall size 4565mm long x 600mm wide x 850mm high comprising 9No. Doors with centre shelf complete with 20mm thick Caesarstone Quartz counter top with square line edging and cut out for double bowl sink size 1200 x 500mm, all as per Architectural drawing No. 1010.16-SMC-DT5301, attached at the back of these Bills of Quantities. (double sink bowl elsewhere measured) (Lower Ground Floor Kitchen) | No | 1 | | |
| 43 | Purpose made microwave cupboard/shelf unit overall size 730mm long x 600mm wide x 750mm high comprising 1No. Door and 1No. shelf , all as per Architectural drawing No. 1010.16-SMC-DT5301, attached at the back of these Bills of Quantities. (Lower ground floor kitchen) | No | 1 | | |
| 44 | Purpose made L-shaped kitchen sink cupboard unit overall size 4565mm long x 600mm wide x 850mm high comprising 10No. Doors with centre shelf complete with 20mm thick Caesarstone Quartz counter top with square line edging and cut out for double bowl sink size 1200 x 500mm, all as per Architectural drawing No. 1010.16-SMC-DT-5304, attached at the back of these Bills of Quantities. (double sink bowl elsewhere measured) (First Floor Kitchen) | No | 1 | | |
| 45 | Purpose made microwave cupboard/shelf unit overall size 730mm long x 600mm wide x 750mm high comprising 1No. Doors and with centre shelf complete , all as per Architectural drawing No. 1010.16-SMC-DT-5304, attached at the back of these Bills of Quantities. (First Floor Kitchen) | No | 1 | | |
| 46 | Purpose made work station cupboard unit overall size 4200mm long x 600mm wide x 775mm high comprising 2No. Doors and with centre shelf and 2No. Drawer unit complete with 20mm caesarstone complete , all as per Architectural drawing No. 1010.16-SMC-DT-5303, attached at the back of these Bills of Quantities. | No | 1 | | |
| 47 | Purpose made kitchen wall cupboard unit overall size 4780mm long x 600mm wide x 900mm high comprising 9No. Doors and 1No. Open shelf, all as per Architectural drawing No. 1010.16-SMC-DT-5304, attached at the back of these Bills of Quantities. (First Floor Kitchen) | No | 1 | | |
| | Carried to Collection | | | R | |
| | Bill No. 7 Carpentry And Joinery | | | | |

| | Unit | Quantity | Rate | Amount |
|--|------|----------|-----------------------|--------|
| 48 Purpose made L-shaped kitchen sink cupboard unit overall size 4565mm long x 600mm wide x 850mm high comprising 10No. Doors with centre shelf complete with 20mm thick Caesarstone Quartz counter top with square line edging and cut out for double bowl sink size 1200 x 500mm, all as per Architectural drawing No. 1010.16-SMC-DT-5305, attached at the back of these Bills of Quantities. (double sink bowl elsewhere measured) (Second Floor Kitchen) | No | 1 | | |
| 49 Purpose made microwave cupboard/shelf unit overall size 730mm long x 600mm wide x 750mm high comprising 1No. Doors and with centre shelf complete, all as per Architectural drawing No. 1010.16-SMC-DT-5305, attached at the back of these Bills of Quantities. (Second Floor Kitchen) | No | 1 | | |
| 50 Purpose made L-shaped kitchen sink cupboard unit overall size 4565mm long x 600mm wide x 850mm high comprising 10No. Doors with centre shelf complete with 20mm thick Caesarstone Quartz counter top with square line edging and cut out for double bowl sink size 1200 x 500mm, all as per Architectural drawing No. 1010.16-SMC-DT-5308, attached at the back of these Bills of Quantities. (double sink bowl elsewhere measured) (Third floor kitchen) | No | 1 | | |
| 51 Purpose made microwave cupboard/shelf unit overall size 730mm long x 600mm wide x 750mm high comprising 1No. Doors and with centre shelf complete , all as per Architectural drawing No. 1010.16-SMC-DT-5308, attached at the back of these Bills of Quantities. (Third Floor Kitchen) | No | 1 | | |
| <u>SPECIALISED TIMBER HARDWOOD SEATS</u> | | | | |
| <u>SUPPLEMENTARY PREAMBLES</u> | | | | |
| Rates are to include for fabrication, delivery to site and for securely fixing the units in position with necessary nylon anchors, etc. , or suitable fasteners when fixing to drywall partitions and for touching up and making good to any damaged paintwork or parts after the units have been installed. | | | | |
| All dimensions are to be determined on site before fabrication. | | | | |
| | | | Carried to Collection | R |
| Bill No. 7 Carpentry And Joinery | | | | |

| | Unit | Quantity | Rate | Amount |
|---|------|----------|-----------------------|--------|
| <p><u>HARDWOOD SEATING</u></p> <p><u>SUPPLEMENTARY PREAMBLES</u></p> <p>The following fittings have been measured as complete units i.e. The components of the units have not been separately measured. The descriptions, therefore of such units shall be deemed to include all components, assembling, housing, notching, glueing, blocking, planting on and screwing with countersunk screws, edge strips, soft and hardwood, decorative plastic finish, formica, postforming, glass, ironmongery, metalwork, paint or varnish finishes, etc. In addition the rates for items must include for all cupboard, shelving, worktops, etc. All in accordance with the relevant Architects drawings attached to the back of these Bills of Quantities.</p> <p>In respect of the following quantities and descriptions related to the specialised hardwood slatted seating, tenderers are referred to the relevant Architectural drawings and are advised to study the drawings carefully. Notwithstanding the following quantities and/or descriptions or the supplementary preambles above, tenderers are to price these items in accordance with the relevant drawings and rates tendered shall be deemed inclusive of all required planting, bolting, timber members, cutting, joining, fixing, fixings, etc. to provide a complete installation. Further, the onus is on the tenderer to ensure that all relevant drawings referenced in these Bills of Quantities are included in the tender document. No further claims in this regard will be entertained. (Brickwork elsewhere measured)</p> <p>Notes</p> <p>All timber to be sapele hardwood.</p> <p>All steel to be hot dipped galvanised.</p> <p>Timber to be painted with one coat sanding sealer, rubbed to a smooth finish and finished with two coats " Dulux" or other approved clear matt finish varnish.</p> <p>Rates to include for material, fabrication, painting, delivery to site and for securely fixing the seating in position with necessary bolts, etc.</p> <p>All dimensions are to determined on site before fabrication.</p> | | | | |
| | | | Carried to Collection | R |
| <p>Bill No. 7 Carpentry And Joinery</p> | | | | |

| | Unit | Quantity | Rate | Amount |
|--|------|----------|------|--------|
| <u>The following in purpose made hardwood slatted seating</u> | | | | |
| 52 | | | | |
| 52 | No | 1 | | |
| 53 | No | 1 | | |
| 54 | No | 1 | | |
| Carried to Collection | | | R | |
| Bill No. 7 Carpentry And Joinery | | | | |

| | Unit | Quantity | Rate | Amount |
|---|------|----------|------|--------|
| 55 Purpose made circular shaped timber bench fixed to wall overall size approximately 6000mm long x 600mm wide x 500mm high formed of 50mm thick x 75mm wide sapele infill members and 75mm thick x 100mm wide outer members radiused to 15 degrees on leading edge and fixed from beneath with No. 70mm long wood screws on and including 50 x 50 x 3mm thick galvanised steel tubing fixed to 75mm diameter support leg with 150mm diameter x 6mm thick base plate and bolted to floor with and including M12 expansion bolts all as per Architectural drawing No. 1010.16-SMC-DT-5313, attached at the back of these Bills of Quantities. (Ground Floor) | No | 1 | | |
| 56 Purpose made timber bench fixed to wall overall size approximately 2550mm long x 500mm wide x 500mm high formed of 50mm thick x 75mm wide sapele infill members and 75mm thick x 100mm wide outer members radiused to 15 degrees on leading edge and fixed from beneath with No. 70mm long wood screws on and including 50 x 50 x 3mm thick galvanised steel tubing fixed to 75mm diameter support leg with 150mm diameter x 6mm thick base plate and bolted to floor with and including M12 expansion bolts all as per Architectural drawing No. 1010.16-SMC-DT-5313, attached at the back of these Bills of Quantities. (First Floor) | No | 2 | | |
| 57 Purpose made timber bench fixed to wall overall size 2680mm long x 500mm wide x 500mm high formed of 50mm thick x 75mm wide sapele infill members and 75mm thick x 100mm wide outer members radiused to 15 degrees on leading edge and fixed from beneath with No. 70mm long wood screws on and including 50 x 50 x 3mm thick galvanised steel tubing fixed to 75mm diameter support leg with 150mm diameter x 6mm thick base plate and bolted to floor with and including M12 expansion bolts all as per Architectural drawing No. 1010.16-SMC-DT-5313, attached at the back of these Bills of Quantities. (First Floor) | No | 1 | | |
| Carried to Collection | | | R | |
| Bill No. 7 Carpentry And Joinery | | | | |

| | | Unit | Quantity | Rate | Amount |
|-------------------------------------|--|------|----------|-----------------------|--------|
| 64 | Purpose made timber bench fixed to wall overall size approximately 3065mm long x 500mm wide x 500mm high formed of 50mm thick x 75mm wide sapele infill members and 75mm thick x 100mm wide outer members radiused to 15 degrees on leading edge and fixed from beneath with No. 70mm long wood screws on and including 50 x 50 x 3mm thick galvanised steel tubing fixed to 75mm diameter support leg with 150mm diameter x 6mm thick base plate and bolted to floor with and including M12 expansion bolts all as per Architectural drawing No. 1010.16-SMC-DT-5313, attached at the back of these Bills of Quantities. (Second Floor) | No | 1 | | |
| 65 | Purpose made U-shape timber bench fixed to wall overall size approximately 10760mm long x 500mm wide x 500mm high formed of 50mm thick x 75mm wide sapele infill members and 75mm thick x 100mm wide outer members radiused to 15 degrees on leading edge and fixed from beneath with No. 70mm long wood screws on and including 50 x 50 x 3mm thick galvanised steel tubing fixed to 75mm diameter support leg with 150mm diameter x 6mm thick base plate and bolted to floor with and including M12 expansion bolts all as per Architectural drawing No. 1010.16-SMC-DT-5313, attached at the back of these Bills of Quantities. (Third Floor) | No | 1 | | |
| 66 | Purpose made U-shape timber bench fixed to wall overall size approximately 9880mm long x 525mm wide x 500mm high formed of 50mm thick x 75mm wide sapele infill members and 75mm thick x 100mm wide outer members radiused to 15 degrees on leading edge and fixed from beneath with No. 70mm long wood screws on and including 50 x 50 x 3mm thick galvanised steel tubing fixed to 75mm diameter support leg with 150mm diameter x 6mm thick base plate and bolted to floor with and including M12 expansion bolts all as per Architectural drawing No. 1010.16-SMC-DT-5313, attached at the back of these Bills of Quantities. (Third Floor) | No | 1 | | |
| 67 | Purpose made timber bench overall size approximately 4000mm long x 360mm wide x 446mm high comprising of laminated beam, supports and footrest with 30mm radius rounded edges all to be bolted together with and including expansion bolts all as per Architectural drawing No. 1010.16-SMC-SH-5410, attached at the back of these Bills of Quantities. (Court rooms) | No | 9 | | |
| | | | | Carried to Collection | R |
| Bill No. 7 Carpentry And Joinery | | | | | |

| | Unit | Quantity | Rate | Amount |
|--|------|----------|----------|--------|
| <p>68 Purpose made timber bench overall size approximately 5500mm long x 360mm wide x 446mm high comprising of laminated beam, supports and footrest with 30mm radius rounded edges all to be bolted together with and including expansion bolts all as per Architectural drawing No. 1010.16-SMC-SH-5410, attached at the back of these Bills of Quantities. (Court rooms)</p> | No | 12 | | |
| <p><u>FITTINGS TO COURT ROOM</u></p> | | | | |
| <p><u>SUPPLEMENTARY PREAMBLES</u></p> | | | | |
| <p>The following fittings have been measured as complete units i.e. the components of the units have not been separately measured. The descriptions, therefore of such units shall be deemed to include all components, assembling, housing, notching, glueing, blocking, planting on and screwing with countersunk screws, edge strips, soft and hardwood, decorative plastic finish, formica, postforming, glass, ironmongery, metalwork, paint or varnish finishes, etc. In addition the rates for items must include for all cupboard, shelving, worktops, etc. all in accordance with the relevant Architects drawings attached to the back of these Bills of Quantities.</p> | | | | |
| <p>Tenderers are referred to the Architectural drawings 1016-SMC-SH-5410, 1016-SMC-SH-5411, 1016-SMC-SH-5412, and are advised to study the drawings carefully when pricing these items. Further, the onus is on the tenderer to ensure that all the relevant drawings referred in these Bills of Quantities are included in the tender documents.</p> | | | | |
| <p>Doors shall be constructed from 22mm hardwood with 2 x 75 x 15mm brass hinges, five pin tumbler cylinder cut cupboard lock and brass sliding bolt.</p> | | | | |
| <p>Tops are to be 22mm chipboard faced with 1mm thick plastic laminate with 22 x 48mm hardwood lipping, minimum 15mm radius rounded corners.</p> | | | | |
| <p>Drawer units to be hardwood with 19mm wrought hardwood carcass to comply with PW371 clause 8.37. Each drawer fitted with a die zinc alloy cupboard pull handle (Union CZ5105 or other approved) and a five pin tumbler cylinder cut drawer lock (Union 4110 or other approved).</p> | | | | |
| <p>End supports to be 32mm chipboard both sides with plastic laminate and hardwood lippings. Intermediate supports to be 18mm chipboard both sides with plastic laminate and hardwood lipping.</p> | | | | |
| <p>Bases to be softwood framework with 16mm chipboard faced in plastic laminate to both top and sides.</p> | | | | |
| <p>Carried to Collection</p> | | | <p>R</p> | |
| <p>Bill No. 7 Carpentry And Joinery</p> | | | | |

| | Unit | Quantity | Rate | Amount |
|---|------|----------|------|--------|
| <p>Notes</p> <p>Hardwood to be clear grade to comply with SABS 1099.</p> <p>Softwood to be clear grade SA Pine to comply with SABS 1359.</p> <p>Chipboard to be furniture grade chipboard with a density of 65kg/m and to comply with SABS 929.</p> <p>Plywood to comply with SABS 929.</p> <p>Decorative laminated plastic-faced board to be 1mm high pressure laminate to comply with SABS 1405. Post formed edges to have minimum 15mm radius. Colour to be specified by the architect.</p> <p>Timber finish to be clear polyurethane, semi-matt finish.</p> <p>Adhesive to be waterproof synthetic resin adhesive to comply with SABS specification 74512041444.</p> <p>Glass fibre or mineral wool to be 2 x 37mm layers "Aerolite" or other approved, compressed to 50mm.</p> <p>Drawer handles to be satin chrome or silver anodised cupboard pull handles (Union CZ5105 or other approved).</p> <p>Drawer and cupboard locks to be five pin tumbler cylinder cut drawer lock (Union 4110 or other approved).</p> <p>All laminated wood to be manufactured in accordance to SABS 1460.</p> <p>Rates are to include for fabrication, delivery to site and for securely fixing the units in position with necessary nylon anchors, etc. , or suitable fasteners when fixing to drywall partitions and for touching up and making good to any damaged paintwork or parts after the units have been installed.</p> <p>All dimensions are to be determined on site before fabrication.</p> | | | | |
| <p>Carried to Collection</p> | | | R | |
| <p>Bill No. 7 Carpentry And Joinery</p> | | | | |

| | | Unit | Quantity | Rate | Amount |
|--|--|------|----------|------|--------|
| <p><u>The following in witness docks</u></p> <p><u>In respect of the following quantities and descriptions related to the witness docks, tenderers are referred to Architectural drawing no. 1010.16-SMC-SH-5412, and are advised to study the drawings carefully. Notwithstanding the following quantities and/or descriptions or the supplementary preambles above, tenderers are to price these items in accordance with the relevant drawings and rates tendered shall be deemed inclusive of all required planting, bolting, timber members, cutting, joining, fixing, fixings, etc. to provide a complete installation. Further, the onus is on the tenderer to ensure that all relevant drawings referenced in these Bills of Quantities are included in the tender document. No further claims in this regard will be entertained. (Brickwork elsewhere measured)</u></p> | | | | | |
| 77 | 145 x 36mm Thick hardwood (SABS 1099) copping mitred at all corners and radiused on outer leading edges to 15 degrees radius and fixed to brickwork with and including 75mm galvanised expansion nails and plugged at 300mm centres. | m | 11 | | |
| 78 | 950 x 360 wide x 36mm thick hardwood bench with 30mm radiused on all leading edges fixed to brickwork with and including 75mm galvanised expansion nails at 200mm centres and plugged to match wood. | No | 4 | | |
| 79 | 45 x 22mm Hardwood Support | m | 4 | | |
| Carried to Collection | | | | | R |
| Bill No. 7 | | | | | |
| Carpentry And Joinery | | | | | |

| | Unit | Quantity | Rate | Amount |
|--|----------------|----------|------|--------|
| <p><u>The following in attorney's desk/table layout</u> <u>In respect of the following quantities and descriptions related to the attorney's desk/table layout, tenderers are referred to Architectural drawing no. 1010.16-SMC-SH-5412, and are advised to study the drawings carefully. Notwithstanding the following quantities and/or descriptions or the supplementary preambles above, tenderers are to price these items in accordance with the relevant drawings and rates tendered shall be deemed inclusive of all required planting, bolting, timber members, cutting, joining, fixing, fixings, etc. to provide a complete installation. Further, the onus is on the tenderer to ensure that all relevant drawings referenced in these Bills of Quantities are included in the tender document. No further claims in this regard will be entertained. (Brickwork elsewhere measured)</u></p> | | | | |
| 80 | | | | |
| L shaped Attorney desk approximate size overall 5989mm long x 739mm wide x 720mm high with 2No. Elevated book rest approximate size 500mm long x 350mm wide x 550mm high formed of 30 x 30mm galvanised square steel tubing, based plates, 22mm chipboard faced laminate surface, lipping, etc. And desk complete with footrest, support beams, post, etc , all as per drawing No. 1010.16-SMC-SH-5412. | No | 4 | | |
| 81 | | | | |
| Attorney desk approximate size overall 1600mm long x 739mm wide x 720mm high with and including 22mm chipboard faced laminate surface, lipping, etc. And desk complete with footrest, support beams, post, etc , all as per drawing No. 1010.16-SMC-SH-5412. | No | 4 | | |
| <p><u>LININGS, POSTS, ETC</u></p> | | | | |
| <p><u>Timber Slats</u></p> | | | | |
| 82 | | | | |
| 225x38mm Solid Sapele timber slats approximately 3565mm high fixed vertically 55mm apart with notched hardwood framing frames plugged and screwed to brickwork with and including all necessary fixings all as per architects drawings no.: 1010.16-SMC-5750 and 1010.16-SMC-5751. | m ² | 100 | | |
| 83 | | | | |
| Ditto but circular on plan | m ² | 31 | | |
| 84 | | | | |
| Extra over for 225 x 38mm solid sapele timber slats for cutting and trimming around window frames. | m | 20 | | |
| | | | R | |
| Carried to Collection | | | | |
| <p>Bill No. 7 Carpentry And Joinery</p> | | | | |

| | | Unit | Quantity | Rate | Amount |
|--|---|----------------|----------|------|--------|
| 85 | 225 x 225mm solid sapele timber end piece 203mm radius on leading edge and plugged and screwed to brickwork with an including all necessary fixings all as per architects drawings no: 1010.16-SMC-5750 and 1010.16-SMC-5751 | m | 8 | | |
| 86 | 225x38mm Solid Sapele timber slats approximately 3545mm high fixed vertically 57mm apart with notched hardwood framing frames plugged and screwed to brickwork with and including all necessary fixings all as per architects drawings no.: 1010.16-SMC-5752. | m ² | 64 | | |
| 87 | Ditto but circular on plan | m ² | 23 | | |
| <u>STAIRS ETC</u> | | | | | |
| <u>Hardwood Sapele Timber Handrails etc</u> | | | | | |
| 88 | 75 x 25mm Horizontal timber rail fixed to 120 x 50 x 5mm thick brushed stainless steel fixing plate fixed to 10 x 10mm brushed stainless steel post chemically anchored and plate fixed to brickwork with and including all fixings at 1200mm centres (type 3) all as per Architect's drawing no.: 1010-16-SMC-WD-5600 | m | 97 | | |
| 89 | 75 x 25mm Raking timber rail fixed to 120 x 50 x 5mm thick brushed stainless steel fixing plate fixed to 10 x 10mm brushed stainless steel post chemically anchored and plate fixed to brickwork with and including all fixings (type 3) all as per Architect's drawing no.: 1010-16-SMC-WD-5600 | m | 95 | | |
| 90 | Extra over handrail for flat end | No | 36 | | |
| 91 | Extra over handrail for ramp or knee | No | 66 | | |
| 92 | Extra over handrail for bend | No | 32 | | |
| <u>PANELLING</u> | | | | | |
| <u>Interior type particle board with hardwood Sapele veneer</u> | | | | | |
| 93 | 16mm Thick natural Sapele veneered particle board cladding panels, conceal fixed with and including approved fixings to sapele subframe comprised of 50 x 50mm framing and set in random sizes in horizontal alignment (all panels to have 2mm spacing between panels) including 50mm thick "Knauf" or other approved insulation with R-value of 1.25m ² K/W all as per Architects drawing no.: 1010.16-SMC-DT-5104 (Higher panelling) | m ² | 84 | | |
| | | | | | |
| Carried to Collection | | | | R | |
| | | | | | |
| Bill No. 7 | | | | | |
| Carpentry And Joinery | | | | | |

| | | Unit | Quantity | Rate | Amount |
|------------------------------------|--|----------------|----------|-----------------------|------------|
| 94 | 16mm Thick natural Sapele veneered particle board cladding panels, conceal fixed with and including approved fixings to sapele subframe comprised of 50 x 50mm framing and set in random sizes in horizontal alignment (all panels to have 2mm spacing between panels) including 50mm thick "Knauf" or other approved insulation with R-value of 1.25m2K/W all as per Architects drawing no.: 1010.16-SMC-DT-5105 (Higher panelling) | m ² | 299 | | |
| 95 | 70 x 19mm Thick solid natural Sapele with and including 2mm spacer between horizontal members fixed to 50 x 50mm sapele subframe including 50mm thick "Knauf" or other approved insulation with R-value of 1.25m2K/W all as per Architects drawing no.: 1010.16-SMC-DT-5104 (Lower panelling) | m ² | 84 | | |
| 96 | 70 x 19mm Thick solid natural Sapele with and including 2mm spacer between horizontal members fixed to 50 x 50mm sapele subframe including 50mm thick "Knauf" or other approved insulation with R-value of 1.25m2K/W all as per Architects drawing no.: 1010.16-SMC-DT-5105 (Lower panelling) | m ² | 286 | | |
| <u>BUDGETARY ALLOWANCES</u> | | | | | |
| <u>Robing Cupboards</u> | | | | | |
| 97 | Allow the Sum of R 100,000.00 (One Hundred Thousand Rand Only) for the supply and installation of Robing Cupboards. | Item | | | 100 000 00 |
| | | | | Carried to Collection | R |
| Bill No. 7 | | | | | |
| Carpentry And Joinery | | | | | |
| 70 | | | | | |

Amount

BILL NO. 7
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BILL NO. 8

CEILING PARTITIONS AND ACCESS FLOORING

The bidder is referred to the relevant clauses in the construction works general specifications (PW 371 A), to the Architectural and Structural/Civil Engineering specifications documents, to the drawings (which are to be read in conjunction with the architectural specification), and to all general and project-specific specifications as contained in the complete Bid Documents. Bidders are thus urged to study these documents as rates will be deemed to be inclusive of all requirements as included in same. Further, should any discrepancy be noted between these Bills of Quantities and the Specifications, the Specifications shall take precedence.

Further to the above, Bidders are to note that the latest edition of SANS 10400, current at the time of the tender will form part of the specifications to this contract and as such, pricing shall be deemed to include for complete conformance in all respects to the requirements of SANS 10400.

SUPPLEMENTARY PREAMBLES

Working at Heights:

Tenderers are to note that the work to be undertaken may require all necessary scaffolding, due to the heights of the structures to be constructed/ altered. Tenderers are to therefore price accordingly as rates will be deemed to include for same and No further claims in regard to all necessary scaffolding in the completion of the scope of works will be entertained.

Carried to Collection

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| | Unit | Quantity | Rate | Amount |
|--|------|----------|------|--------|
| <p><u>Labour Intensive</u></p> <p>Tenderers are to note well that specific items within these Bills of Quantities have been designated as LABOUR INTENSIVE by the addition of the aforementioned words in uppercase at the end of the description for the said item. Where items have been designated as being LABOUR INTENSIVE as described, pricing shall be deemed to include for the carrying out to completion of said item on site by means and methods that rely predominantly on manual labour. As such, no claims shall be entertained regarding any additional time or monetary costs incurred by the use of LABOUR INTENSIVE methods. Further, the Contractor is to note that contravention of the above i.e. use of mechanised systems to carry out LABOUR INTENSIVE work as hereinafter designated, will be viewed and dealt with in an extremely serious light by the Client, as it remains a national imperative to develop, employ and provide skills through the Extended Public Works Programme.</p> <p><u>Fixing</u></p> <p>Items described as 'nailed' shall be deemed to be fixed with hardened steel nails or pins, or to be shot-pinned, to brickwork or concrete</p> <p>Items described as 'plugged' shall be deemed to include screwing to fibre, plastic or metal plugs at not exceeding 500mm centres, and where described as 'bolted', the bolts have been given elsewhere</p> <p><u>Ceilings</u></p> <p>Unless otherwise described ceilings shall be deemed to be horizontal</p> <p><u>Bulkheads</u></p> <p>Bulkheads are defined as those portions of ceilings which are stepped down from the general ceiling level in a particular room or area and which generally occur along the perimeter. Their purpose is either to conceal services or to create architectural features</p> <p>Prices for bulkheads are to include for supporting frameworks, filling pieces, wedges, etc. and all necessary labour and materials required for a complete installation. No further correspondence or claims in this regard will be entertained.</p> <p>Unless otherwise described bulkheads shall be deemed to be horizontal along the length</p> <p><u>Steel components</u></p> <p>All steel components for ceilings, partitions, etc. are to be hot dipped galvanised.</p> | | | | |
| Carried to Collection | | | R | |
| <p>Bill No. 8 Ceilings Partitions And Access Flooring</p> | | | | |

| | Unit | Quantity | Rate | Amount |
|---|---|----------------|------|--------|
| <p><u>600 x 600 x 6mm High density, white painted fibre cement boards on "OWA Premium" or other approved S3 exposed demountable pre-painted fire rated system, including galvanized pre-painted T24 main tees and galvanized T24 cross tees, all suspended with 19mm galvanized hangers at max 1200mm centres.</u></p> | | | | |
| 5 | Ceilings suspended not exceeding 1m below concrete slab | m ² | 287 | |
| <p><u>BULKHEADS</u></p> <p><u>12mm Gypsum skimmed plaster board bulkheads on and including "Pelican Rondo" or other approved screw in system including finishing in one coat 'Gypseal' or other approved sealant, and with and including H-profile PVC cover strips.</u></p> | | | | |
| 6 | 600mm wide x 380mm high bulkhead all as per Architectural drawing no. 1010.16-SMC-GA-2901 appended at the back of these Bills of Quantities. (Lift Lobby) | m | 11 | |
| 7 | 600mm wide x 720mm overall high bulkhead all as per Architectural drawing no. 1010.16-SMC-GA-2902 (Detail 2), appended at the back of these Bills of Quantities. (SAPS Staff) | m | 5 | |
| 8 | 800mm wide x 720mm overall high bulkhead all as per Architectural drawing no.1010.16-SMC-GA-2902 (Detail 2), appended at the back of these Bills of Quantities. (SAPS Staff) | m | 2 | |
| 9 | 600mm wide x 1120mm high bulkhead all as per Architectural drawing no.1010.16-SMC-GA-2902 (Detail 3), appended at the back of these Bills of Quantities. (Lift Lobby) | m | 33 | |
| 10 | 500mm wide x 1240mm high bulkhead all as per Architectural drawing no.1010.16-SMC-GA-2902 (Detail 5), appended at the back of these Bills of Quantities. (Secured Magistrates Access) | m | 10 | |
| 11 | 600mm wide x 1240mm high bulkhead all as per Architectural drawing no.1010.16-SMC-GA-2902 (Detail 5), appended at the back of these Bills of Quantities. (Secured Magistrates Access) | m | 4 | |
| 12 | 600mm wide x 1400mm overall high bulkhead all as per Architectural drawing no.1010.16-SMC-GA-2903(Detail 2), appended at the back of these Bills of Quantities. (SAPS Liason/Security Control Room/SAPS & Comm./DCCOx2) | m | 26 | |
| Carried to Collection | | | R | |
| Bill No. 8 | | | | |
| Ceilings Partitions And Access Flooring | | | | |

| | | Unit | Quantity | Rate | Amount |
|---|--|------|----------|------|--------|
| 13 | 600mm wide x 1280mm overall high bulkhead all as per Architectural drawing no.1010.16-SMC-GA-2903(Detail 3), appended at the back of these Bills of Quantities. (Waiting Area) | m | 4 | | |
| 14 | 600mm wide x 380mm overall high bulkhead all as per Architectural drawing no.1010.16-SMC-GA-2903(Detail 4), appended at the back of these Bills of Quantities. (Entrance/Public Concourse/Exit/Lift lobby/Waiting Area) | m | 105 | | |
| 15 | 600mm wide x 720mm overall high bulkhead all as per Architectural drawing no.1010.16-SMC-GA-2904(Detail 4), appended at the back of these Bills of Quantities. (Head of court/Secretary/Child prep./Intermediary/Public waiting) | m | 33 | | |
| 16 | 600mm wide x 700mm overall high bulkhead all as per Architectural drawing no.1010.16-SMC-GA-2904(Detail 2), appended at the back of these Bills of Quantities. (Consultation/Waiting Areas) | m | 20 | | |
| 17 | 600mm wide x 1120mm high bulkhead all as per Architectural drawing no.1010.16-SMC-GA-2904 (Detail 3), appended at the back of these Bills of Quantities. (Passage/Lift lobby/Family Court/Prosecutor pool/Prep Prosecutor/Photocopy Room/Criminal Court Clerk/Regional Court Reg, clerk & prosecutor/District Court Prosecutor/Control prosecutor/Secretary/chief prosecutor/waiting area) | m | 144 | | |
| 18 | 500mm wide x 1120mm high bulkhead all as per Architectural drawing no.1010.16-SMC-GA-2904 (Detail 3), appended at the back of these Bills of Quantities. (Civil Court) | m | 6 | | |
| 19 | 1700mm wide x 1120mm high bulkhead all as per Architectural drawing no.1010.16-SMC-GA-2904 (Detail 3), appended at the back of these Bills of Quantities. (Civil Court/Criminal Court 1 & 2/Regional Court) | m | 30 | | |
| 20 | 850mm wide x 1120mm high bulkhead all as per Architectural drawing no.1010.16-SMC-GA-2904 (Detail 3), appended at the back of these Bills of Quantities. (Criminal Court 1&2) | m | 16 | | |
| 21 | 1850mm wide x 1120mm high bulkhead all as per Architectural drawing no.1010.16-SMC-GA-2904 (Detail 3), appended at the back of these Bills of Quantities. (Regional Court) | m | 8 | | |
| Carried to Collection | | | | R | |
| Bill No. 8 | | | | | |
| Ceilings Partitions And Access Flooring | | | | | |

| | | Unit | Quantity | Rate | Amount |
|----|---|------|----------|------|--------|
| 22 | 600mm wide x 462mm high bulkhead all as per Architectural drawing no.1010.16-SMC-GA-2905 (Detail 3), appended at the back of these Bills of Quantities. (Lift Lobby) | m | 15 | | |
| 23 | 1800mm wide x 462mm high bulkhead all as per Architectural drawing no.1010.16-SMC-GA-2905 (Detail 3), appended at the back of these Bills of Quantities. (Lift Lobby) | m | 2 | | |
| 24 | 2700mm wide x 462mm high bulkhead all as per Architectural drawing no.1010.16-SMC-GA-2905 (Detail 3), appended at the back of these Bills of Quantities. (Lift Lobby) | m | 2 | | |
| 25 | 600mm wide x 860mm overall high bulkhead all as per Architectural drawing no.1010.16-SMC-GA-2905(Detail 4), appended at the back of these Bills of Quantities. (Equality Court/interpreters/Lift lobbyNGO/Correction Services/Assessors/Managers) | m | 96 | | |
| 26 | 600mm wide x 700mm overall high bulkhead all as per Architectural drawing no.1010.16-SMC-GA-2905(Detail 5), appended at the back of these Bills of Quantities. (ICMS Clerk/Clerks/Principal Clerk) | m | 17 | | |
| 27 | 600mm wide x 500mm overall high bulkhead all as per Architectural drawing no.1010.16-SMC-GA-2905(Detail 6), appended at the back of these Bills of Quantities. (Library/Librarian/Committee Training) | m | 20 | | |
| 28 | 600mm wide x 780mm overall high bulkhead all as per Architectural drawing no.1010.16-SMC-GA-2906(Detail 3), appended at the back of these Bills of Quantities. (Waiting Area/ lift lobby/passage) | m | 45 | | |
| 29 | 1400mm wide x 780mm overall high bulkhead all as per Architectural drawing no.1010.16-SMC-GA-2906(Detail 3), appended at the back of these Bills of Quantities. (Lift lobby) | m | 2 | | |
| 30 | 600mm wide x 380mm overall high bulkhead all as per Architectural drawing no.1010.16-SMC-GA-2906(Detail 4), appended at the back of these Bills of Quantities. (Passage) | m | 2 | | |
| | <u>Cornices, etc. :</u> | | | | |
| 31 | 25mm White powder coated aluminium cornice. | m | 4 244 | | |
| | Carried to Collection | | | | R |
| | Bill No. 8 | | | | |
| | Ceilings Partitions And Access Flooring | | | | |

Amount

BILL NO. 8
CEILINGS PARTITIONS AND ACCESS FLOORING
COLLECTION

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Unit Quantity Rate Amount

BILL NO. 9
FLOOR COVERINGS

The bidder is referred to the relevant clauses in the construction works general specifications (PW 371 A), to the Architectural and Structural/Civil Engineering specifications documents, to the drawings (which are to be read in conjunction with the architectural specification), and to all general and project-specific specifications as contained in the complete Bid Documents. Bidders are thus urged to study these documents as rates will be deemed to be inclusive of all requirements as included in same. Further, should any discrepancy be noted between these Bills of Quantities and the Specifications, the Specifications shall take precedence.

Further to the above, Bidders are to note that the latest edition of SANS 10400, current at the time of the tender will form part of the specifications to this contract and as such, pricing shall be deemed to include for complete conformance in all respects to the requirements of SANS 10400.

SUPPLEMENTARY PREAMBLES

Working at Heights:

Tenderers are to note that the work to be undertaken may require all necessary scaffolding, due to the heights of the structures to be constructed/ altered. Tenderers are to therefore price accordingly as rates will be deemed to include for same and No further claims in regard to all necessary scaffolding in the completion of the scope of works will be entertained.

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